

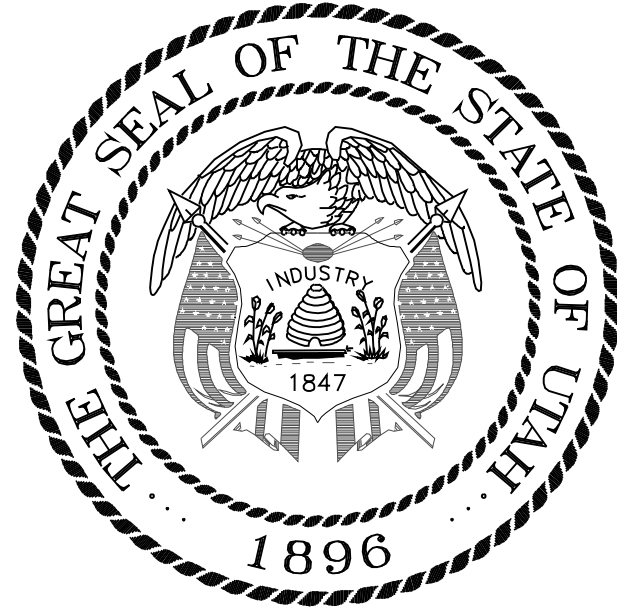
Camp W.G. Williams

Buildings 5080 & 5100

Utah 84065-4999

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State of Utah - Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

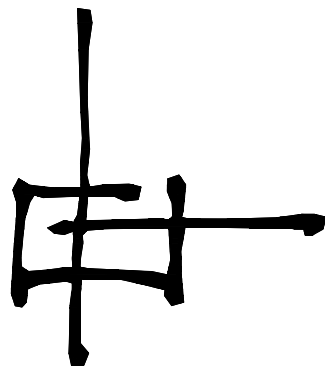
4110 State Office Building / Salt Lake City, Utah 84114 / 538-3018

DFCM PROJECT NO. 07332480

CONTRACT NO. 087184

ajc PROJECT NO. 0781

PREPARED BY:



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SCOPE OF WORK

THE SCOPE OF WORK FOR THIS PROJECT INVOLVES THE INTERIOR RENOVATION OF BUILDING 5080 AND 5100 (CURRENTLY LABELED AS 5080 AND 5100) THE SCOPE OF THE RENOVATION IS AS FOLLOWS:

INTERIOR

1. DEMOLITION OF INTERIOR FINISHES AND EQUIPMENT.
2. NEW INTERIOR FINISHES AND EQUIPMENT.
3. NEW RESTROOMS.
4. NEW MECHANICAL SYSTEMS, INCLUDING NFPA 13 FIRE SPRINKLER SYSTEM
5. NEW ELECTRICAL SYSTEMS.

EXTERIOR

1. PATCH, REPAIR AND REPAINT ALL EXTERIOR FINISHES AREAS.
2. PROVIDE AND INSTALL NEW STEEL, HISTORICALLY SENSITIVE WINDOWS.
3. PROVIDE AND INSTALL NEW TWO (2) SIDED SCREEN FENCE ENCLOSURE FOR MECHANICAL EQUIPMENT.

BASE BID TO INCLUDE ALL WORK CONTAINED WITHIN THE CONSTRUCTION DOCUMENTS EXCEPT THOSE ITEMS LISTED BELOW AND IN THE CONSTRUCTION DOCUMENTS AS ALTERNATE #1.

BASE BID TO INCLUDE ALL WORK CONTAINED WITHIN THE CONSTRUCTION DOCUMENTS EXCEPT THOSE ITEMS LISTED BELOW AND IN THE CONSTRUCTION DOCUMENTS AS ALTERNATE #1.

APPROVALS:

Prime Agency _____ Date _____

DFCM _____ Date _____

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

CODE ANALYSIS

APPLICABLE CODES			
	Year		Year
International Building Code	2006	National Electrical Code	2005
International Mechanical Code	2006	Uniform Code for	
International Plumbing Code	2006	Building Conservation	
International Fire Code	2006	ADA Accessibility	
International Energy		Guidelines	2004
Conservation Code	2003		

A. Occupancy and Group: A-2

Change in Use: Yes _____ No ☒ Mixed Occupancy: Yes _____ No ☒
Special Use and Occupancy (e.g. High Rise, Covered Mall): N.A.

B. Seismic Design Category: _____ Design Wind Speed: 90 mph

C. Type of Construction (circle one):

<u>I</u>	<u>I</u>	<u>II</u>	<u>II</u>	<u>III</u>	<u>III</u>	<u>IV</u>	<u>V</u>	<u>V</u>
A	B	A	B	A	B	HT	A	B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: N.A. Nonseparated Uses: ☒

F. Sprinklers:
Required: ☒ Provided: ☒ Type of Sprinkler System: NFPA 13

G. Number of Stories: 1 Building Height: 15' 18-1/2"

H. Actual Area per Floor (square feet): 3,500 GROSS

I. Tabular Area: 6,000 GROSS

J. Area Modifications:
$$a) A_a = A_t + \left[\frac{A_t I_f}{100} \right] + \left[\frac{A_t I_s}{100} \right] \quad I_r = 100 \left[\frac{F}{P} - 0.25 \right] \frac{W}{30}$$

b) Sum of the Ratio Calculations for Mixed Occupancies:

$$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$$

c) Total Allowable Area for:

- 1) One Story: _____
- 2) Two Story: A_a(2)
- 3) Three Story: A_a(3)

d) Unlimited Area Building: Yes _____ No _____ Code Section: _____

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	0	
Interior Bearing Walls	0		Roofs - Ceiling Roofs	0	
Exterior Non-Bearing Walls	0		Exterior Doors and Windows	0	
Structural Frame	0		Shaft Enclosures	N.A.	
Partitions - Permanent	0		Fire Walls	N.A.	
Fire Barriers	N.A.		Fire Partitions	N.A.	
			Smoke Partitions	N.A.	

L. Design Occupant Load: 163.5
Exit Width Required: 24.52" Exit Width Provided: 216"

M. Minimum Number of Required Plumbing Facilities:

- a) Water Closets - Required (m) 2 (f) 1* Provided (m) 2 (f) 1
- b) Lavatories - Required (m) 1 (f) 1 Provided (m) 2 (f) 1
- c) Bath Tubs or Showers: N.A.
- d) Drinking Fountains: 0** Service Sinks: 1

* MILITARY BASE W/ LARGELY MALE POPULATION.

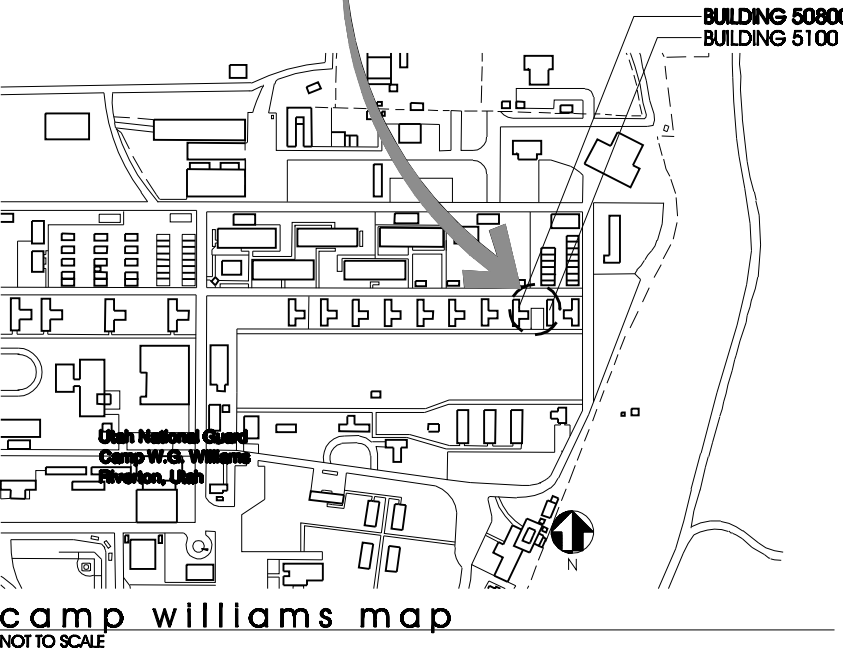
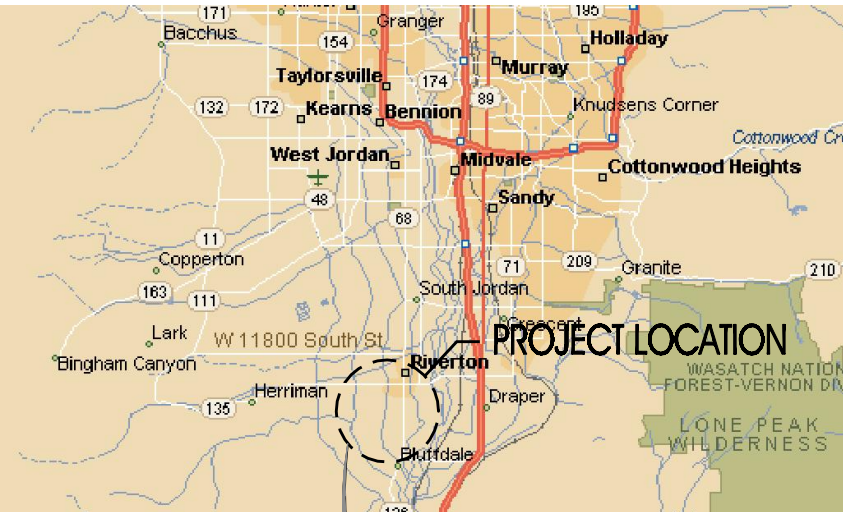
** BEVERAGE DISPENSERS PROVIDED BY UTAH AIR NATION GUARD

N. Deferred Submittal List:

- a) Fire Sprinklers: Design / Build Calculations & Drawings

FOOTNOTES:

- 1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
- 2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
 - a) High Rise Requirements.
 - b) Atriums.
 - c) Performance Based Criteria.
 - d) Means or Egress Analysis.
 - e) Fire Assembly Locator Sheet.
 - f) Exterior and Interior Accessibility Route.
 - g) Fire Stopping, Including Tested Design Number.



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ELECTRICAL

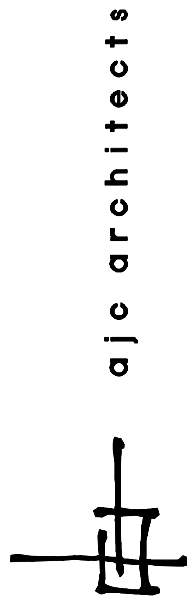
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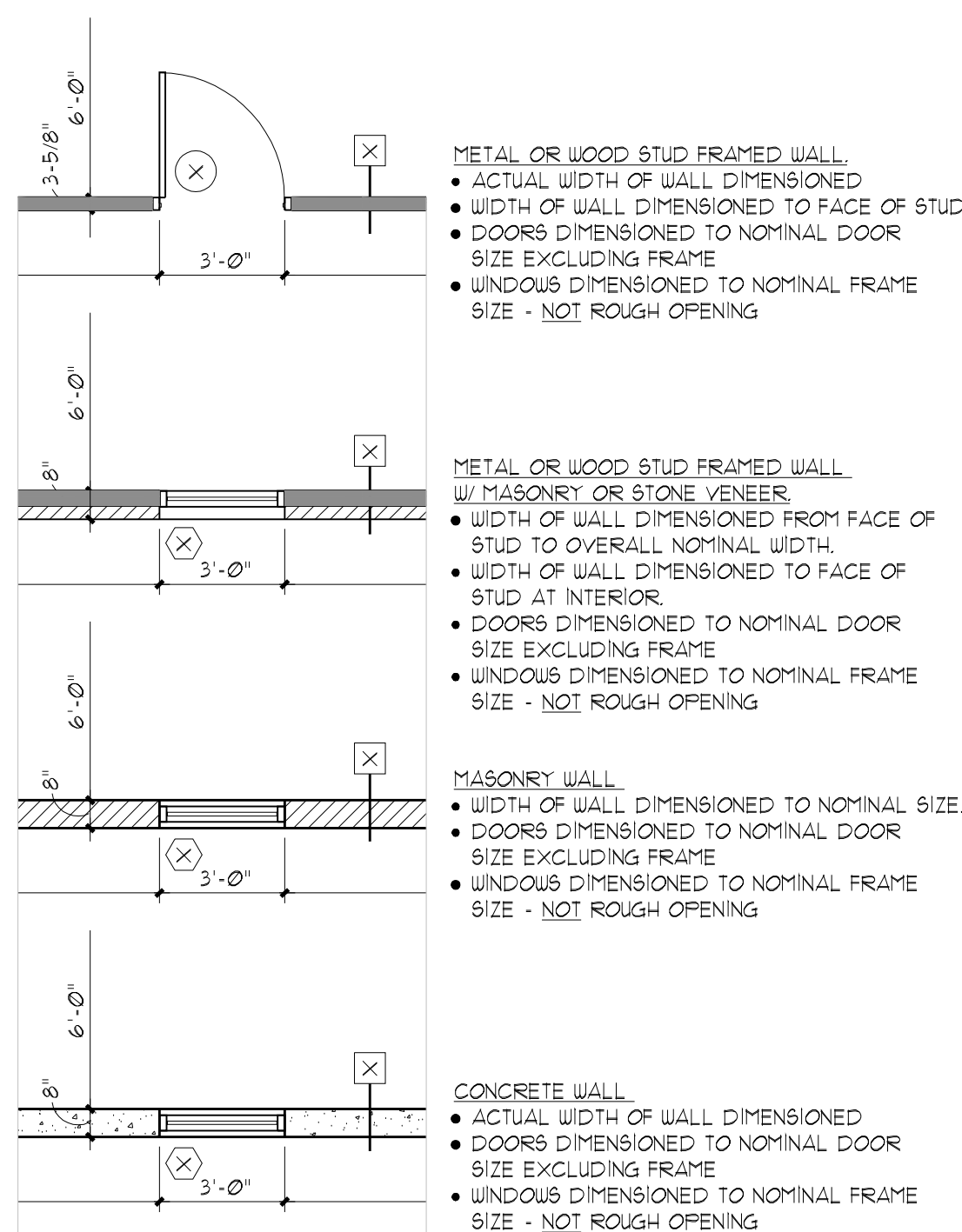
ABBREVIATIONS

AB	ANCHOR BOLTS	EA	EACH	MAINT	MAINTENANCE	SECT	SECTION
ABBREV	ABBREVIATION (S)	ELEC	ELECTRICAL	MATL	MATERIAL	SHT	SHEET
APPR	APPROVED	ELEV or EL	ELEVATION	MAX	MAXIMUM	SIM	SIMILAR
ACOUST	ACOUSTICAL	ELEV	ELEVATOR	MB	MACHINE BOLT	SIMUL	SIMULATED
AC	ASPHALT CONCRETE	EQ	EQUAL	MECH	MECHANICAL	SPECS	SPECIFICATIONS
A/C	AIR CONDITIONING	EQUIP	EQUIPMENT	MEZ	METAL	SS	STAINLESS STEEL
AD	ACCESS DOOR	EXIST	EXISTING	MEZZ	MEZZANINE	STA	STATION
AFF.	ABOVE FINISHED FLOOR	EJ	EXPANSION JOINT	MFR	MANUFACTURER		
ALUM	ALUMINUM	EXT	EXTERIOR	MISC	MISCELLANEOUS		
		EUC	ELEC WATER COOLER	MO	MASONRY OPENING	STD	STANDARD
BD	BOARD			MIN	MINIMUM	STL	STEEL
BLDG	BUILDING	FF	FINISH FLOOR	MULL	MULLION	SO	SQUARE
BLK	BLOCK	FHC	FIRE HOSE CABINET			STRUCT	STRUCTURAL
BM	BEAM	FIN	FINISH	(N)	NEW	SUSP	SUSPENDED
B.O.B.	BOTTOM OF BEAM	FLR	FLOOR	NO	NUMBER	SYM	SYMMETRICAL
BOT	BOTTOM	FO	FINISHED OPENING	N.T.S.	NOT TO SCALE		
		FOC	FACE OF CONCRETE	NR	NON-RATED		
						T	TREAD
C/C	CENTER TO CENTER	FOF	FACE OF STUD	OC	ON CENTER	TBC	TOP BACK OF CURB
CER	CERAMIC	FDN	FOUNDATION	OCC	OPERATOR CONTROL CENTER	TDC	TRAFFIC DECK COVERING
CH	CEILING HEIGHT	FRP	FIBER REINFORCED PLASTIC	OD	OUTSIDE DIAMETER	T 4 G	TONGUE 4 GROOVE
CEM	CEMENT	OF	OFF	OFF	OFFICE	TEMP	TEMPERED
CLG	CEILING	FD	FLOOR DRAIN	OFI	OWNER FURNISHED ITEM	TEL	TELEPHONE
CLOS.	CLOSET	FS	FLOOR SINK	OFI	OWNER FURNISHED ITEM	THK	THICK
CLR	CLEAR	FSD	FULL SIZE DETAIL	OFI	OWNER FURNISHED ITEM	T.O.C.	TOP OF CONCRETE or CURB
CMU	CONCRETE MASONRY UNIT	FT	FEET	OFI	OWNER FURNISHED ITEM	T.O.F.	TOP OF FOOTING
COL	COLUMN	FT	FEET	OFI	OWNER FURNISHED ITEM	TOP OF PARAPET	
COMPO	COMPOSITION	FT	FEET	OH	OPPOSITE HAND	T.O.S.	TOP OF STEEL
CONC	CONCRETE	FT	FEET	OFI	OWNER FURNISHED ITEM	TYP	TYPICAL
CONN	CONNECTION	GA	GAUGE	OFI	OWNER FURNISHED ITEM	T.O.W.	TOP OF WALL
CONT	CONTINUOUS	GC	GENERAL CONTRACTOR	PC	PORTLAND CEMENT	UNO	UNLESS NOTED OTHERWISE
CORR	CORRIDOR	GL	GLASS	PL	PLASTER	VER	VERTICAL
CSK	COUNTERSINK	GR	GALVANIZED	PLAS	PLASTER		
		GYP BD	GYP SUM BOARD	FLYUD	FLYWOOD		
		GSD	GRANITE SCHOOL DISTRICT	FR	FAIR	W	WIDE
DEL	DELETE			PREP	PREPARATION	W	WITH
DET	DETAIL			PROJ	PROJECTION	WC	WATER CLOSET
DF	DOUGLAS FIR	H	HIGH	PTD	PRESSURE TREATED	WD	WOOD
DIA	DIAMETER	HDUD	HARDWOOD	PTD	PRESSURE TREATED DOUGLASS FIR	WI	WROUGHT IRON
DIA	DIAMETER	HORIZ	HORIZONTAL	QT	QUARRY TILE	W	WATER LEVEL
DIM	DIMENSION	HP	HIGH POINT			WP	WORKING POINT
DIR	DIRECTION					WP	WATERPROOFING
DBL	DOUBLE			R	RISER		
DN	DOWN	ID	INSIDE DIAMETER	R or RAD	RADIUS		
DO	DOOR OPENING	INSUL	INSULATION	RD	ROOF DRAIN		
DR	DOOR	INT	INTERIOR	REF	REFERENCE		
DS	DOWNSPOUT			REIN	REINFORCE		
DWG	DRAWING	JAN	JANITOR	REQ'D	REQUIRED		
				RES	RESILIENT		
		LAV	LAVATORY	RM	ROOM		
		LEV	LEVEL	R.O.	ROUGH OPENING		
		LTG	LIGHTING	REDUD	REDWOOD		
		LTUT	LIGHT WEIGHT				

MATERIALS LEGEND (TYPICAL PLAN VIEWS)

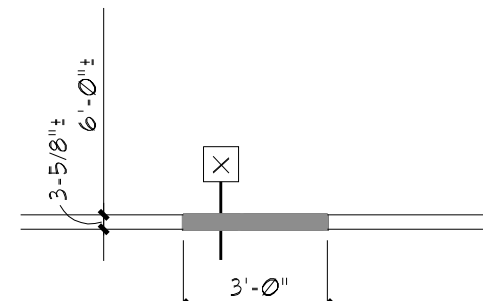
NEW CONSTRUCTION

ALL NEW CONSTRUCTION IS SHOWN HATCHED AS ILLUSTRATED BELOW
ALL NEW CONSTRUCTION IS FULLY NOTATED AS SHOWN BELOW
ALL WORK IS NEW UNLESS LABELED "EXISTING"



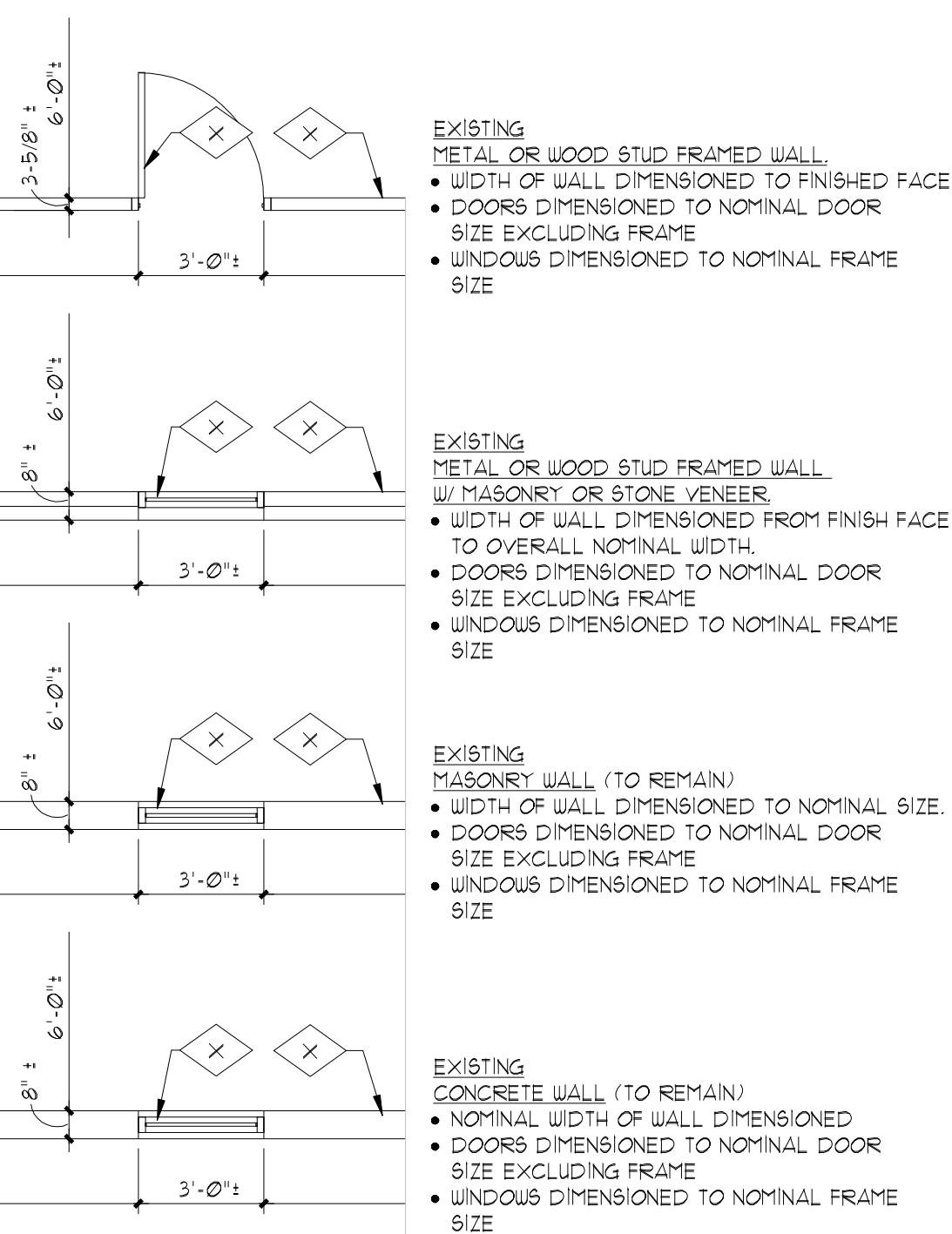
NEW CONSTRUCTION AT EXISTING

NEW CONSTRUCTION SHOWN HATCHED w/ THICKER LINE
ALL EXISTING COMPONENTS SHOWN THIN LINE SOLID, NO HATCH.



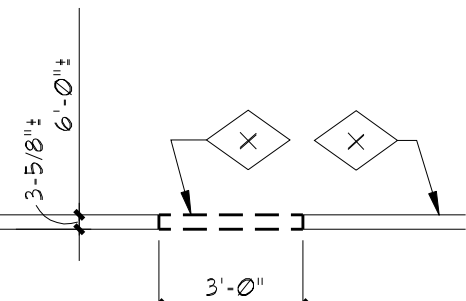
EXISTING CONDITIONS

ALL EXISTING CONSTRUCTION IS SHOWN WITHOUT HATCH AS ILLUSTRATED BELOW
ALL EXISTING CONSTRUCTION IS LABELED "EXISTING" BY KEYNOTE OR OTHERWISE
ALL DIMENSIONS TO EXISTING ARE APPROXIMATE ONLY AND ARE TO BE FIELD VERIFIED BY THE CONTRACTOR

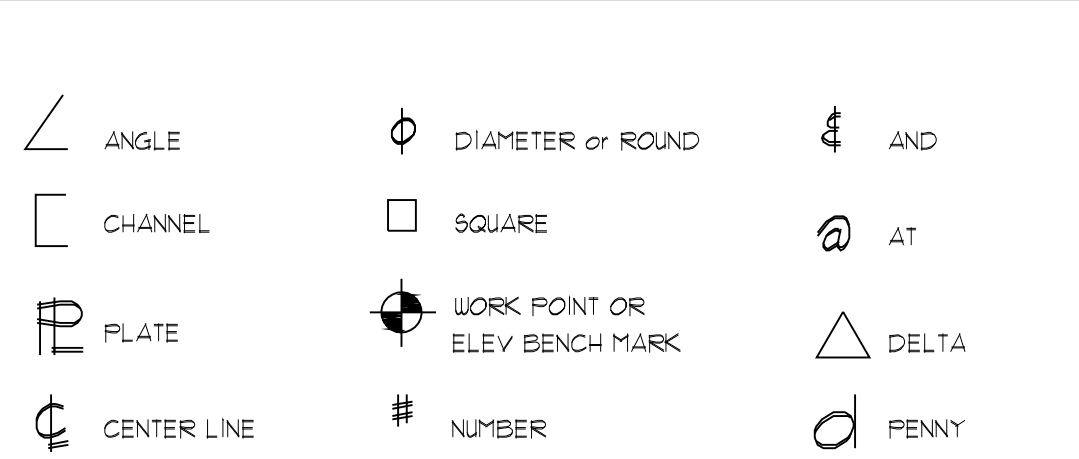


DEMOLITION AT EXISTING CONDITIONS

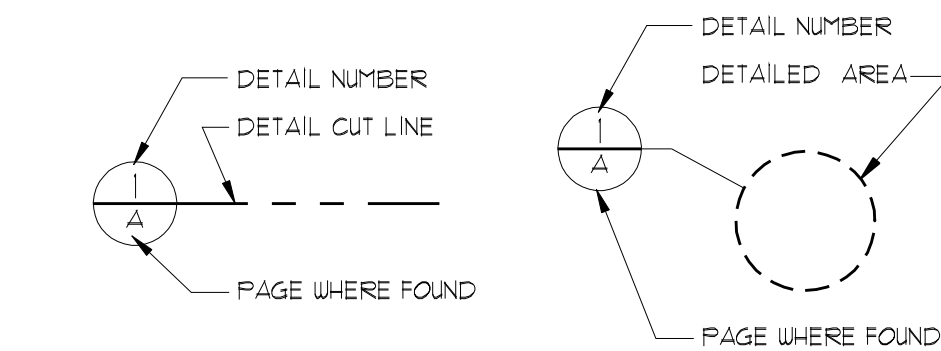
ALL EXISTING COMPONENTS SHOWN THIN LINE SOLID, NO HATCH.
ALL COMPONENTS TO BE DEMOLISHED ARE SHOWN DASHED, THIN LINE



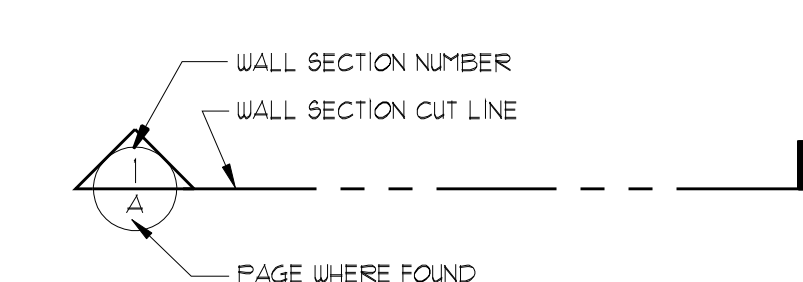
SYMBOLS



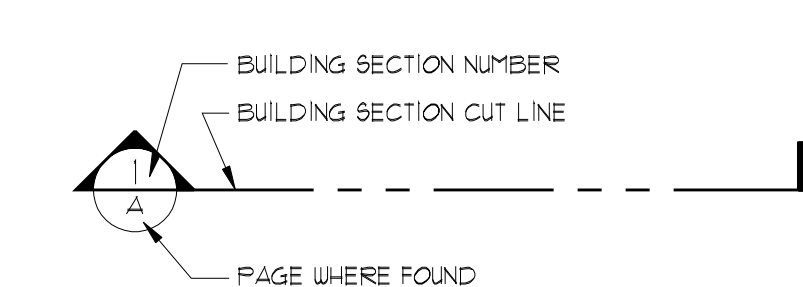
DETAIL TAGS



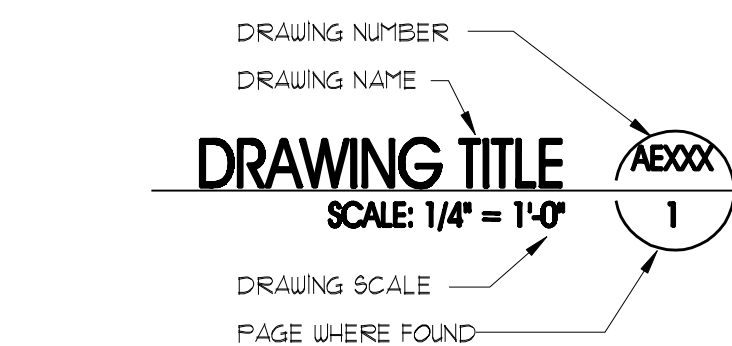
DETAIL TAGS



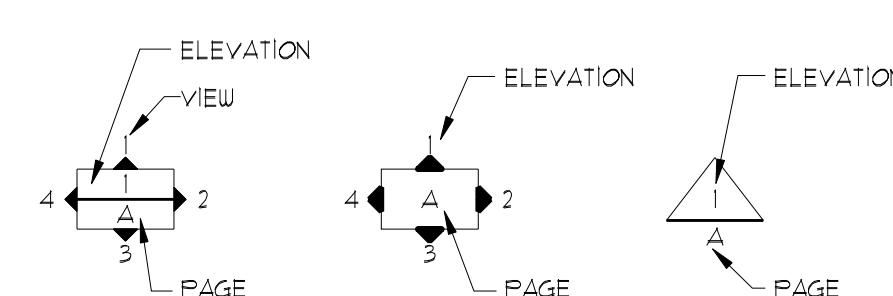
WALL SECTION TAG



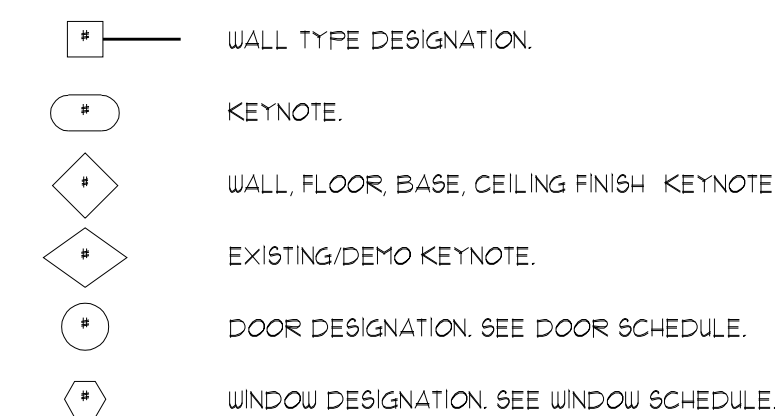
BUILDING SECTION TAG



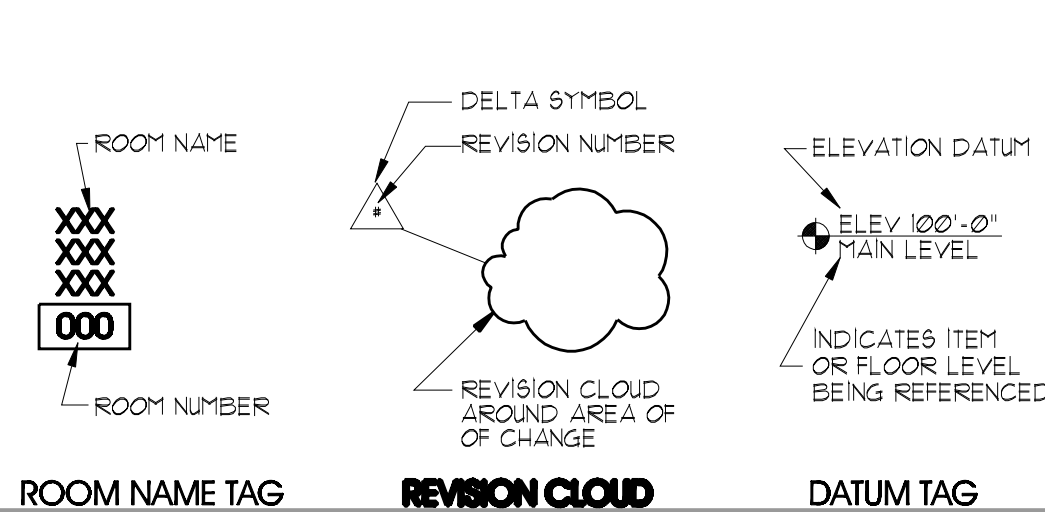
DRAWING TITLE



INTERIOR ELEVATION TAGS



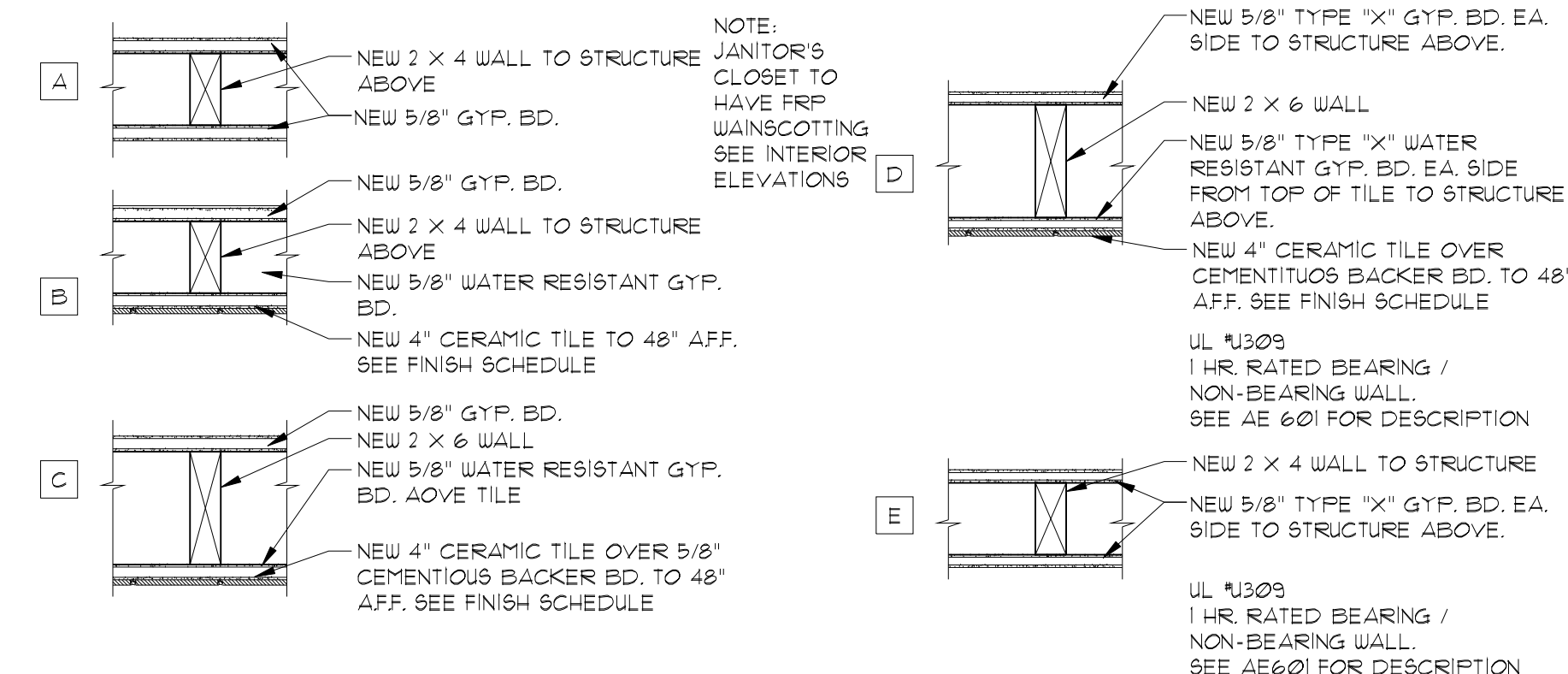
MISCELLANEOUS KEYED NOTE SYMBOLS



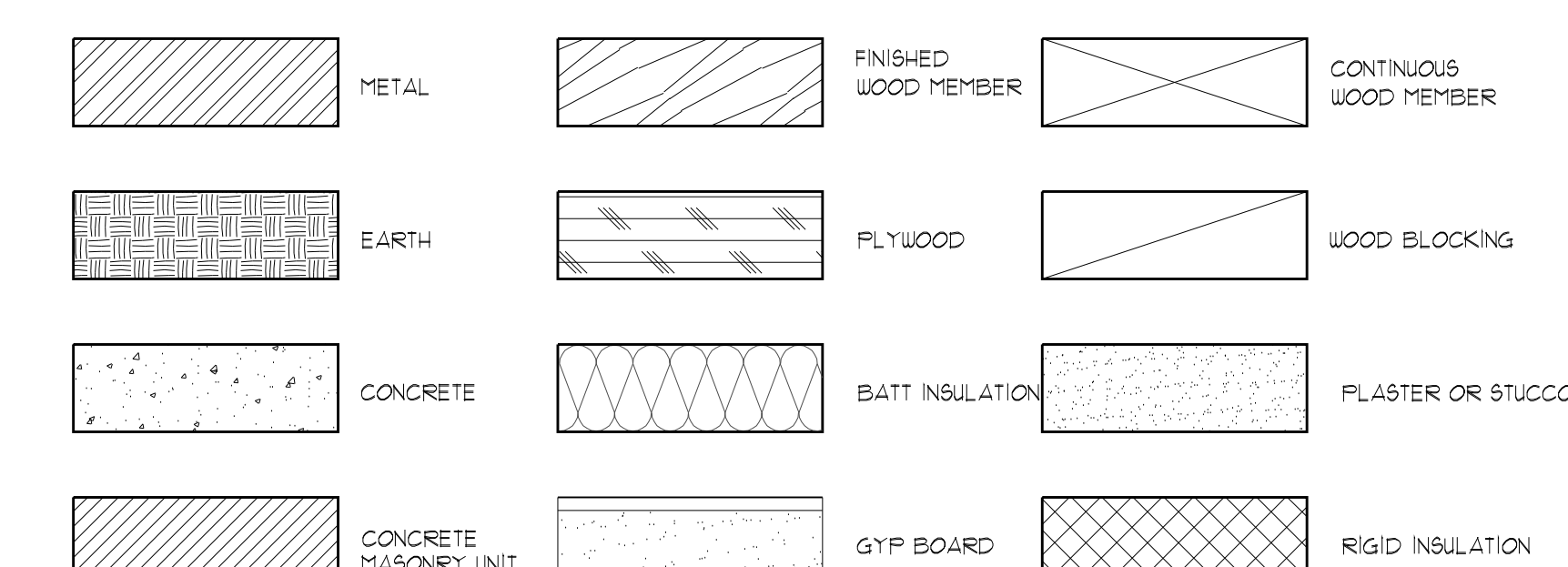
GENERAL NOTES:

- THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ANY WORK AND SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS. CONTRACTOR SHALL ACCEPT PREMISES AS FOUND. OWNER ASSUMES NO RESPONSIBILITY FOR THE CONDITION OF THE EXISTING SITE OR EXISTING STRUCTURES AT THE TIME OF BIDDING OR THEREAFTER.
- DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS; DO NOT SCALE DRAWINGS TO DETERMINE ANY LOCATIONS. THE ARCHITECT SHALL BE NOTIFIED IF ANY DISCREPANCY OCCURS PRIOR TO CONTINUING WITH WORK.
- ALL PLAN DIMENSIONS ARE FROM CENTERLINE OR FACE OF STUD UNLESS OTHERWISE INDICATED. SEE SECTION ON "DIMENSIONING" THIS SHEET.
- ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE BUILDING CODES AND LOCAL RESTRICTIONS. THE CONTRACTORS MUST COMPLY WITH THE CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL REPORT TO THE OWNER & ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS HE MAY DISCOVER. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ERROR(S) AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE MEANS OF CORRECTING ANY ERROR SHALL FIRST BE APPROVED BY THE ARCHITECT AND OWNER.
- THE GENERAL BUILDING PERMITS SHALL BE PAID FOR BY THE CONTRACTOR. ALL OTHER PERMITS SHALL BE SECURED AND PAID FOR BY THE SUBCONTRACTOR DIRECTLY RESPONSIBLE. ALL REQUIRED CITY, COUNTY AND/OR STATE LICENSES SHALL BE ACQUIRED AND PAID FOR BY THE INDIVIDUAL SUBCONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE PROSECUTION OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE JOB IS IN PROGRESS AND UNTIL JOB IS COMPLETED, AND KEYS TURNED OVER TO OWNER.
- ALL DEBRIS SHALL BE REMOVED FROM PREMISES AND ALL AREAS SHALL BE LEFT IN A CLEAN, BROOM CONDITION AT ALL TIMES.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS AND WORKERS AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE TEMPORARY WATER POWER AND TOILET FACILITIES AS REQUIRED, AS WELL AS ON SITE PHONE OR CELLULAR.
- STATE APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR SHALL ALSO MAINTAIN, IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDUMS AND CHANGE ORDERS, ON THE PREMISES AT ALL TIMES. THESE ARE TO BE KEPT UNDER THE CARE OF THE JOB SUPERINTENDENT.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR RECEIVING, UNLOADING, UNCRATING, INSTALLATION AND HOOK-UP OF ALL OWNER FURNISHED ITEMS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE OR REMEDY ANY FAULTY, IMPROPER OR INFERIOR MATERIALS OR WORKMANSHIP WHICH SHALL APPEAR WITHIN ONE (1) YEAR OR AS OTHERWISE SPECIFIED FOR A SPECIFIC COMPONENT AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK UNDER THIS CONTRACT. EXCEPTION: (THE ROOFING SUBCONTRACTOR SHALL FURNISH AND MAINTAIN AGREEMENT SIGNED BY THE CONTRACTOR TO MAINTAIN THE ROOFING IN A WATERTIGHT CONDITION FOR A PERIOD AS LISTED IN SPECIFICATIONS, STARTING AFTER DATE OF FINAL TURNOVER INSPECTION).
- GENERAL CONTRACTOR IS TO PROVIDE BLOCKING AS REQUIRED FOR MOUNTING OF WALL MOUNTED SHELVES, AND CABINETS, HC GRAB BARS AND PARTITION BRACES.

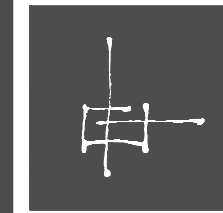
WALL TYPES: (ALL WOOD STUD FRAMING TO BE 16" O.C. MAX. SPACING)



MATERIALS LEGEND (TYPICAL SECTION VIEWS)



ARCHITECT PROJECT # 0781



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PROJECT DESCRIPTION

State of Utah
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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

GENERAL NOTES, SYMBOLS, ABBREVIATIONS & WALL TYPES

REVISIONS

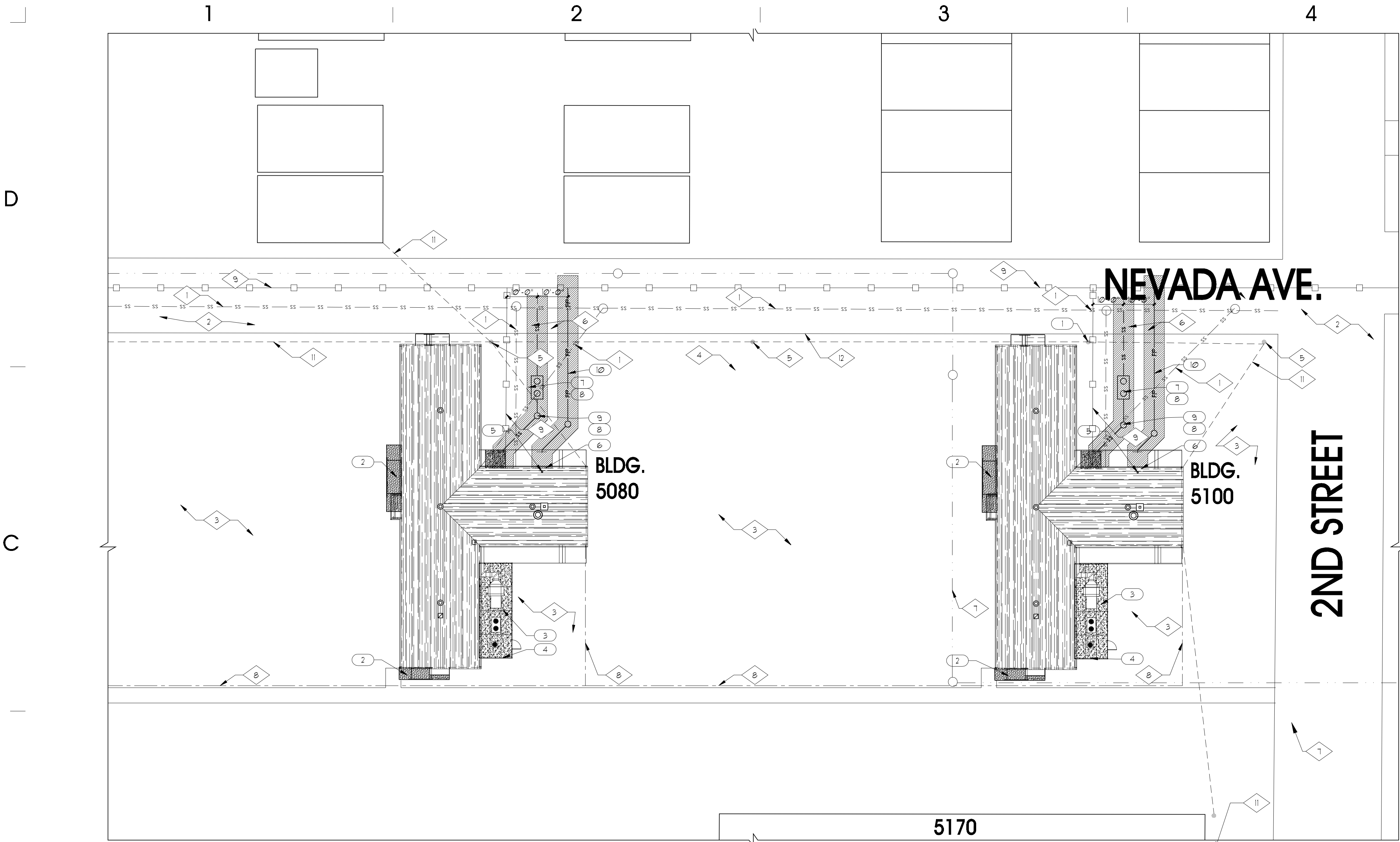
MARK DATE DESCRIPTION

ISSUE DATA

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CHECKED BY: KRR
CAD FILE NAME: AE
CONTRACT #: 07332480
COPYRIGHT: 087184
DFCM

SHEET NUMBER:

G1002



GENERAL NOTES AND LEGEND:

- FOR SHEET AS101 ONLY.
- SEE SHEET G1002 FOR GENERAL NOTES.
 - SEE COVER SHEET FOR DRAWING INDEX.
 - DO NOT SCALE DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
 - GENERAL CONTRACTOR TO COORDINATE MATERIAL STAGING, DELIVERY ROUTE(S) AND CONTRACTOR PARKING AREA(S) WITH NATIONAL GUARD PERSONNEL PRIOR TO THE COMMENCEMENT OF WORK.
- EXISTING KEYED NOTE. SEE KEYED ELEVATION NOTES, THIS SHEET.
- NEW KEYED NOTE. SEE KEYED ELEVATION NOTES, THIS SHEET.

EXISTING/DEMO KEYED NOTE LEGEND:

- FOR SHEET AS101 ONLY.
- EXISTING 8" PVC SEWER LINE + - 48" DEEP RUNNING EAST AND WEST TO REMAIN. NEW SEWER LATERAL TO CONNECT INTO EXISTING SEWER LINE 42'-0" AWAY FROM BUILDINGS. REMOVE ABANDONED PIPING.
 - EXISTING ROAD TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
 - EXISTING ASPHALT PAVING TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
 - EXISTING MAINTENANCE HOLE TO BE ABANDONED AS PART OF ALTERNATE #1 BUILDING 5080 - SEE COVER SHEET FOR SUMMARY OF WORK.
 - EXISTING POWER POLE TO REMAIN. PROTECT POLE AND ALL GUY WIRES DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
 - SAUCUT AND REMOVE ASPHALT PAVING AS REQUIRED FOR TRENCH. PATCH BACK AFTER TRENCH IS BACK FILLED.
 - EXISTING STORM DRAIN
 - EXISTING TELE COMMUNICATIONS LINE
 - EXISTING POTABLE WATER LINE
 - EXISTING SANITARY SEWER LINE
 - OVERHEAD POWER LINE
 - LINE OF EXISTING STORM DRAIN GUTTER SYSTEM.

NEW KEYED NOTE LEGEND:

- FOR SHEET AS101 ONLY.
- NEW POWER POLE TO BE INSTALLED - SEE ELECTRICAL SITE PLAN.
 - NEW CONCRETE RAMP 1'-0" RISE IN 12'-0" MAX SEE AE101.
 - NEW CONCRETE PAD. SEE AE101.
 - NEW FENCED ENCLOSURE FOR HVAC EQUIPMENT - SEE SHEET AE101.
 - FL RISER. SEE AE101.
 - FIRE DEPARTMENT CONNECTION. SEE AE101.
 - GREASE INTERCEPTOR. CONNECT TO NEW SANITARY SEWER LINE. SEE PLUMBING DRAWINGS.
 - NEW SANITARY SEWER LINE. CONNECT NEW SANITARY SEWER LINE TO EXISTING SANITARY SEWER LINE AT STREET.
 - CONSTRUCT SWURF SAMPLING MANHOLE WITH 5'-0" INVERT DEPTH AND 6" THICK WALLS. SEE PLUMBING DRAWINGS.
 - NEW FIRE PROTECTION LINE. CONNECT TO WATER LINE AT STREET.

GENERAL GREASE INTERCEPTOR AND SAMPLING MANHOLE NOTES:

- FOR SHEET AS101 ONLY.
- POTHOLE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION, DEPTH SIZE AND PIPE MATERIAL. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE - BLUESTAKE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - INVERTS OF INLET AND OUTLET PIPES OF NEW GREASE INTERCEPTOR ARE UNKNOWN AND MUST BE FIELD VERIFIED BASED ON EXISTING PIPE INVERT ELEVATIONS. DEPTH IS EXPECTED TO BE APPROXIMATELY 1'-0" BELOW EXISTING SURFACE ELEVATION. INCLUDE IN BID COST A GREASE INTERCEPTOR WITH AN INLET INVERT UP TO 8'-0" BELOW EXISTING GRADE (12'-0" TO BOTTOM OF INTERCEPTOR).
 - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE SOUTH VALLEY WATER RECLAMATION FACILITY (SWURF). COORDINATE ALL WORK AND INSPECTIONS WITH SWURF AND OBTAIN PERMITS REQUIRED.

B	Direct bearing thrust block	Fire hydrant with valve	Pipe zone backfill	Trench backfill
A	<ol style="list-style-type: none">CONCRETE: Class 2000 minimum per APWA Section 03 30 04. Pour concrete against undisturbed soil.PIPE JOINTS: Do not cover with concrete. Leave completely accessible.GREASE: Apply poly-fm grease to all buried metal surfaces. Wrap with 8 mil thick polyethylene sheet and tape wrap.SPECIAL CONSTRUCTION REQUIREMENTS:<ol style="list-style-type: none">Thrust design for pipe sizes or configurations not shown require special design.Bearing areas, volumes, and special thrust blocking details shown on Drawings take precedence over this plan.Reinforcing steel bars to be epoxy coated at least 15 mils thick. Minimum stress yield strength of tie down bars is 70,000 psi.Locking restraint devices may be used in conjunction with concrete thrust blocking (at option of ENGINEER).INSPECTION: Prior to backfilling around thrust block, secure inspection of installation by ENGINEER.BACKFILL: Provide and place per APWA Section 33 05 20. Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater. Maximum lift thickness is 8 inches before compaction.	<ol style="list-style-type: none">INSPECTION: Prior to backfilling, secure inspection of installation by ENGINEER.BACKFILL: Provide and place per APWA Section 33 05 20. Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater. Maximum lift thickness is 8 inches before compaction.HYDRANT: Dry barrel per AWWA C502. Additional water system requirements are specified in APWA Section 33 11 00.<ol style="list-style-type: none">Provide at least 1 cubic yard of APWA Section 31 05 13 sewer rock around drain hole at base of hydrant. Wrap plastic over sewer rock to prevent silting.Paint fire hydrant to agency's fire hydrant paint code.Apply non-oxide grease to all buried metal surfaces. Wrap with 8 mil thick polyethylene sheet and tape wrap.Notify fire department as soon as hydrant is placed in service.THRUST BLOCKS:<ol style="list-style-type: none">Prior to pouring concrete, wrap pipe system with 8 mil thick plastic sheet to prevent bonding of concrete to pipe system.Not required for flange or welded pipe systems.	<ol style="list-style-type: none">BACKFILL: Do not use sewer rock or recycled RAP aggregate in the pipe zone without ENGINEER's written approval.<ol style="list-style-type: none">Granular Fill Below Pipe Spring Line.<ol style="list-style-type: none">Furnish 3/4 inch crushed aggregate base material, unless specified otherwise by pipe manufacturer. When using concrete, provide at least Class 2,000 per APWA Section 03 30 04.Install and compact backfill material per pipe manufacturer recommendations.Water jetting is not allowed in backfilling operation.Submission of quality control compaction test result data developed for haunching areas may be requested by ENGINEER at any time. CONTRACTOR is to provide results of tests immediately upon request.Granular Fill Above Pipe Spring Line.<ol style="list-style-type: none">Furnish 3/4 inch crushed aggregate base material, unless specified otherwise by pipe manufacturer. Place in lifts not exceeding 8 inches before compaction.Water jetting is not allowed in backfilling operation.Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater unless pipe manufacturer requires more stringent installation.Flowable Fill.<ol style="list-style-type: none">Provide and place controlled low strength material per APWA Section 31 05 15 if allowed by pipe manufacturer.Prevent pipe flotation by installing in lifts and providing pipe restraints as required by pipe manufacturer.Reset pipe to line and grade if pipe "floats" out of position.PIPE ZONE WIDTH: Provide width recommended by pipe manufacturer. Width of pipe zone is measured at the pipe spring line and includes any necessary sheathing. In trench box applications, follow manufacturer's recommendations.PIPE LOCATION: Install pipe in center of trench or no closer than 6 inches from wall of pipe to wall of trench.PEA GRAVEL: Pea gravel is not allowed in any part of the pipe zone.FOUNDATION STABILIZATION: Use sewer rock of APWA Section 31 05 13. Installation of stabilization-separation geotextile per APWA Section 31 05 19 will be required to separate backfill material and native subgrade materials if sewer rock cannot provide a working surface or to prevent soils migration.	<ol style="list-style-type: none">BACKFILL: Above the pipe zone.<ol style="list-style-type: none">Granular Fill. Limit maximum particle size to 6 inches. Place fill per APWA Section 33 05 20. Compact to a modified proctor density of 95 percent or greater. Maximum lift thickness is 8 inches before compaction. Do not use clay without ENGINEER's review and acceptance. Water jetting is NOT allowed in backfilling operation.Flowable Fill. Provide and place controlled low strength material per APWA Section 31 05 15. Cure the fill before placing surface restorations.LANDSCAPED RESTORATION: Provide landscaped surfaces with topsoil. Rake to match existing grade. Replace vegetation to match pre-construction conditions. See APWA Section 32 92 00 or APWA Section 32 93 13 requirements.PAVEMENT RESTORATION: Do not install asphalt or concrete surfacing until trench compaction is accepted by ENGINEER.PEA GRAVEL: Pea gravel is not allowed in any part of the trench.

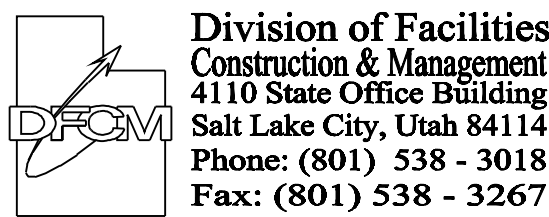
ARCHITECT PROJECT # 0781



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State of Utah
Department of Administrative Services



Internet: <http://www.dfcu.utah.gov>

CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

ARCHITECTURAL SITE
PLAN

REVISIONS

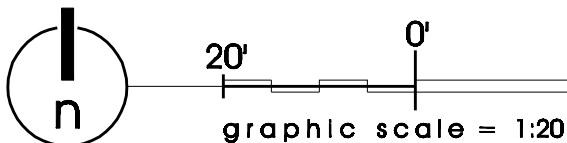
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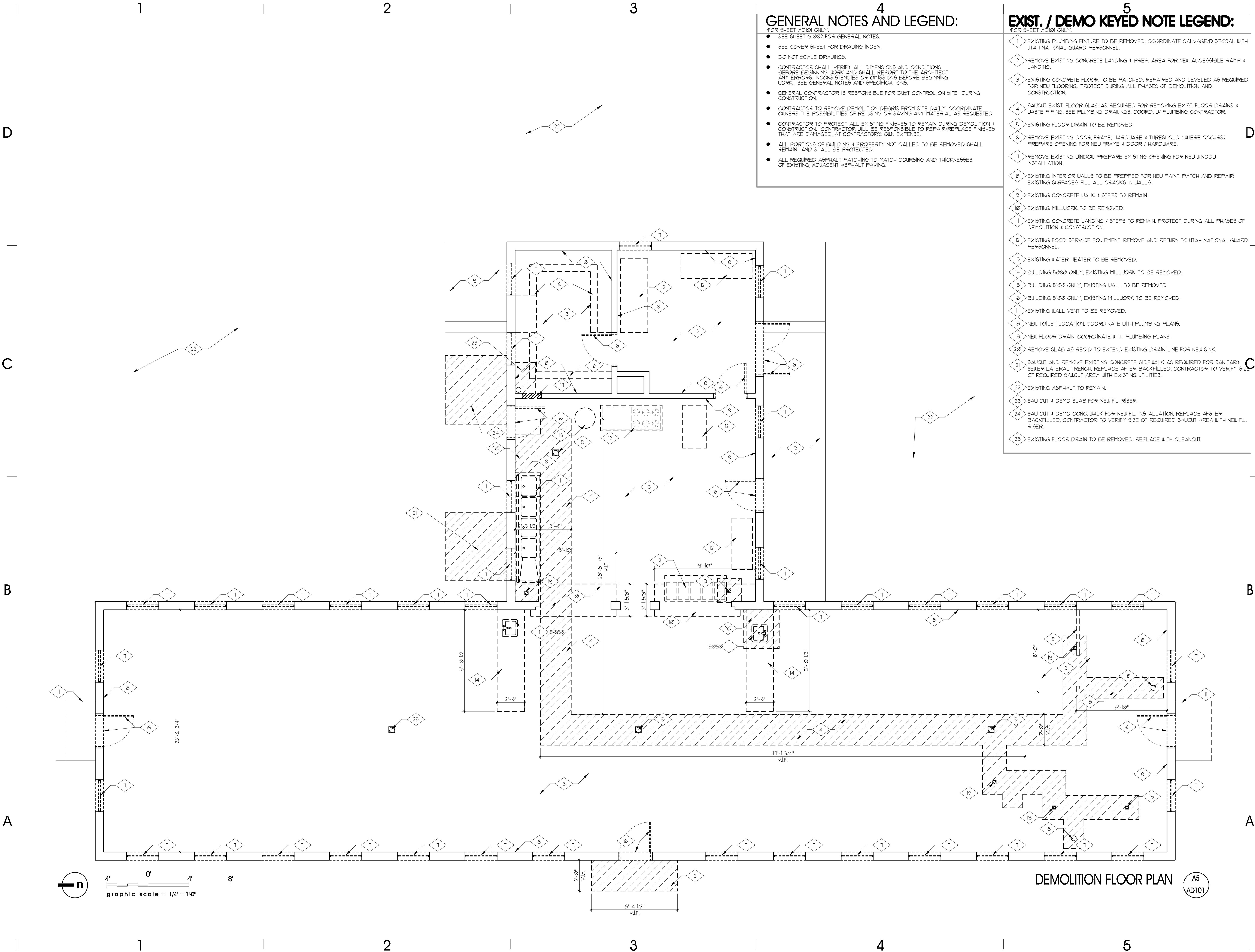
SHEET NUMBER:

AS101



ARCHITECTURAL SITE PLAN





GENERAL NOTES AND LEGEND:

- FOR SHEET AD101 ONLY.
- SEE SHEET 21002 FOR GENERAL NOTES.
 - SEE COVER SHEET FOR DRAWING INDEX.
 - DO NOT SCALE DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
 - GENERAL CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ON SITE DURING CONSTRUCTION.
 - CONTRACTOR TO REMOVE DEMOLITION DEBRIS FROM SITE DAILY, COORDINATE OWNERS THE POSSIBILITIES OF RE-USING OR SAVING ANY MATERIAL AS REQUESTED.
 - CONTRACTOR TO PROTECT ALL EXISTING FINISHES TO REMAIN DURING DEMOLITION & CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE TO REPAIR/REPLACE FINISHES THAT ARE DAMAGED, AT CONTRACTOR'S OWN EXPENSE.
 - ALL PORTIONS OF BUILDING & PROPERTY NOT CALLED TO BE REMOVED SHALL REMAIN AND SHALL BE PROTECTED.
 - ALL REQUIRED ASPHALT PATCHING TO MATCH COURSING AND THICKNESSES OF EXISTING, ADJACENT ASPHALT PAVING.

EXIST. / DEMO KEYED NOTE LEGEND:

- FOR SHEET AD101 ONLY.
- 1 > EXISTING PLUMBING FIXTURE TO BE REMOVED. COORDINATE SALVAGE/DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL.
 - 2 > REMOVE EXISTING CONCRETE LANDING & PREP. AREA FOR NEW ACCESSIBLE RAMP & LANDING.
 - 3 > EXISTING CONCRETE FLOOR TO BE PATCHED, REPAIRED AND LEVELED AS REQUIRED FOR NEW FLOORING. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
 - 4 > SAWCUT EXIST. FLOOR SLAB AS REQUIRED FOR REMOVING EXIST. FLOOR DRAINS & WASTE PIPING. SEE PLUMBING DRAWINGS. COORD. W/ PLUMBING CONTRACTOR.
 - 5 > EXISTING FLOOR DRAIN TO BE REMOVED.
 - 6 > REMOVE EXISTING DOOR FRAME, HARDWARE & THRESHOLD (WHERE OCCURS). PREPARE OPENING FOR NEW FRAME & DOOR / HARDWARE.
 - 7 > REMOVE EXISTING WINDOW. PREPARE EXISTING OPENING FOR NEW WINDOW INSTALLATION.
 - 8 > EXISTING INTERIOR WALLS TO BE PREPPED FOR NEW PAINT. PATCH AND REPAIR EXISTING SURFACES. FILL ALL CRACKS IN WALLS.
 - 9 > EXISTING CONCRETE WALK & STEPS TO REMAIN.
 - 10 > EXISTING MILLWORK TO BE REMOVED.
 - 11 > EXISTING CONCRETE LANDING / STEPS TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION & CONSTRUCTION.
 - 12 > EXISTING FOOD SERVICE EQUIPMENT. REMOVE AND RETURN TO UTAH NATIONAL GUARD PERSONNEL.
 - 13 > EXISTING WATER HEATER TO BE REMOVED.
 - 14 > BUILDING 5080 ONLY, EXISTING MILLWORK TO BE REMOVED.
 - 15 > BUILDING 5100 ONLY, EXISTING WALL TO BE REMOVED.
 - 16 > BUILDING 5100 ONLY, EXISTING MILLWORK TO BE REMOVED.
 - 17 > EXISTING WALL VENT TO BE REMOVED.
 - 18 > NEW TOILET LOCATION. COORDINATE WITH PLUMBING PLANS.
 - 19 > NEW FLOOR DRAIN. COORDINATE WITH PLUMBING PLANS.
 - 20 > REMOVE SLAB AS REQ'D TO EXTEND EXISTING DRAIN LINE FOR NEW SINK.
 - 21 > SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK AS REQUIRED FOR SANITARY SEWER LATERAL. TRENCH, REPLACE AFTER BACKFILL. CONTRACTOR TO VERIFY SIZE OF REQUIRED SAWCUT AREA WITH EXISTING UTILITIES.
 - 22 > EXISTING ASPHALT TO REMAIN.
 - 23 > SAW CUT & DEMO SLAB FOR NEW FL. RISER.
 - 24 > SAW CUT & DEMO CONC. WALK FOR NEW FL. INSTALLATION. REPLACE AFTER BACKFILL. CONTRACTOR TO VERIFY SIZE OF REQUIRED SAWCUT AREA WITH NEW FL. RISER.
 - 25 > EXISTING FLOOR DRAIN TO BE REMOVED. REPLACE WITH CLEANOUT.

ARCHITECT PROJECT # 0781

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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

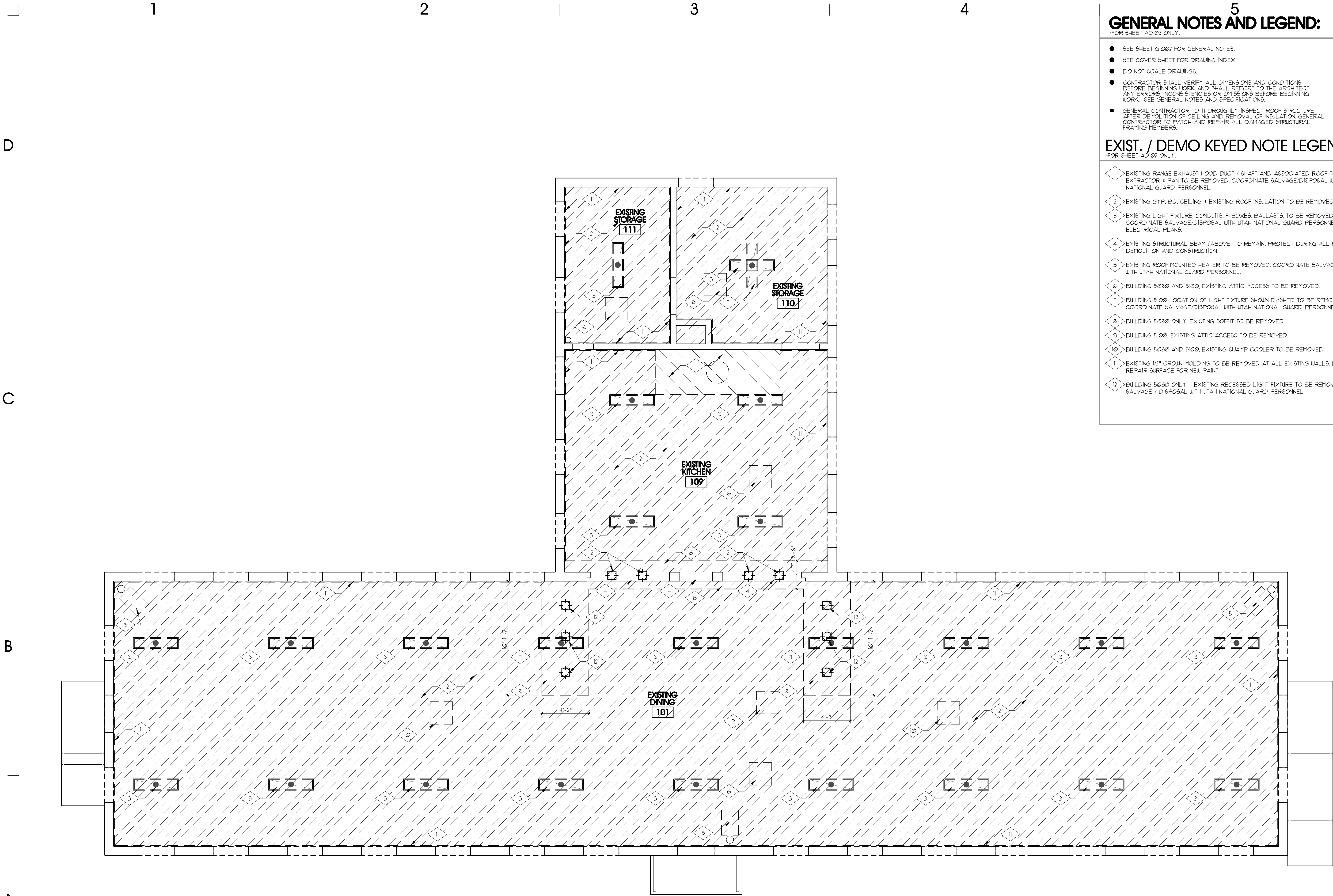
DEMOLITION FLOOR
PLAN

REVISIONS		
MARK	DATE	DESCRIPTION

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AD101



5
GENERAL NOTES AND LEGEND:

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- GENERAL CONTRACTOR TO THOROUGHLY INSPECT ROOF STRUCTURE AFTER DEMOLITION OF CEILING AND REMOVAL OF INSULATION. GENERAL CONTRACTOR TO PATCH AND REPAIR ALL DAMAGED STRUCTURAL FRAMING MEMBERS.

EXIST. / DEMO KEYED NOTE LEGEND:

- 1 EXISTING RANGE EXHAUST HOOD DUCT / SHAFT AND ASSOCIATED ROOF TOP EXHAUST EXTRACTOR & PAN TO BE REMOVED. COORDINATE SALVAGE/DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL.
- 2 EXISTING GYP. BD. CEILING & EXISTING ROOF INSULATION TO BE REMOVED.
- 3 EXISTING LIGHT FIXTURE, CONDUITS, F-BOXES, BALLASTS, TO BE REMOVED. COORDINATE SALVAGE/DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL. SEE ELECTRICAL PLANS.
- 4 EXISTING STRUCTURAL BEAM (ABOVE) TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 5 EXISTING ROOF MOUNTED HEATER TO BE REMOVED. COORDINATE SALVAGE/DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL.
- 6 BUILDING 5080 AND 5100. EXISTING ATTIC ACCESS TO BE REMOVED.
- 7 BUILDING 5100 LOCATION OF LIGHT FIXTURE SHOWN DASHED TO BE REMOVED. COORDINATE SALVAGE/DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL.
- 8 BUILDING 5080 ONLY. EXISTING SOFFIT TO BE REMOVED.
- 9 BUILDING 5100. EXISTING ATTIC ACCESS TO BE REMOVED.
- 10 BUILDING 5080 AND 5100. EXISTING SWAMP COOLER TO BE REMOVED.
- 11 EXISTING 1/2" CROWN MOLDING TO BE REMOVED AT ALL EXISTING WALLS. PATCH AND REPAIR SURFACE FOR NEW PAINT.
- 12 BUILDING 5080 ONLY - EXISTING RECESSED LIGHT FIXTURE TO BE REMOVED. COORD. SALVAGE / DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL.

ARCHITECT PROJECT # 0781

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**CAMP WILLIAMS
BUILDINGS
5080 AND 5100**

SHEET NAME:

**DEMOLITION REFLECTED
CEILING PLAN**

REVISIONS		
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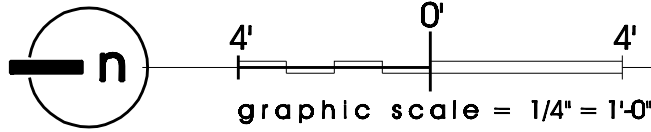
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AD102

DEMOLITION REFLECTED CEILING PLAN

A5
AD102



1
GENERAL NOTES AND LEGEND:
*FOR SHEET AE101 ONLY.

- SEE SHEET G1001 FOR GENERAL NOTES.
 - SEE COVER SHEET FOR DRAWING INDEX.
 - DO NOT SCALE DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
 - GENERAL CONTRACTOR TO PROVIDE NEW R-38 ROOF INSULATION @ ALL EXISTING AREAS. ATTACH BATT INSULATION TO UNDERSIDE OF ROOF DECK.
 - GENERAL CONTRACTOR TO THOROUGHLY INSPECT ROOF STRUCTURE AFTER DEMOLITION OF CEILING AND REMOVAL OF INSULATION. GENERAL CONTRACTOR TO PATCH AND REPAIR ALL DAMAGED STRUCTURAL FRAMING MEMBERS.
 - ALL REQUIRED ASPHALT PATCHING TO MATCH COURSEING AND THICKNESS OF EXISTING ADJACENT ASPHALT PAVING.
- KEYED NOTE. SEE KEYED ELEVATION NOTES, THIS SHEET.
- DOOR DESIGNATION. SEE AE-601
- WINDOW DESIGNATION. SEE AE-601
- WALL TYPES SEE G1001

- 2
- NEW 2x WOOD FRAMED WALL.
- UL 1330
1 HR. RATED BEARING /
NON-BEARING WALL.

3
EXISTING KEYED NOTE LEGEND:
*FOR SHEET AE101 ONLY.

- 1 EXISTING CONC. STAIRS & LANDING TO REMAIN. PATCH & REPAIR ALL DAMAGED CONCRETE @ CORNERS & EDGES.
- 2 EXISTING EXTERIOR CONCRETE TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION. PATCH & REPAIR ALL DAMAGED CONCRETE @ CORNERS & EDGES.
- 3 MODIFY EXISTING STAIR & LANDING FOR NEW H.C. ACCESSIBLE RAMP
- 4 MODIFY EXISTING STAIR AND LANDING TO PROVIDE 44" LANDING AND HANDRAILS ON BOTH SIDES OF RISERS.

4
NEW KEYED NOTE LEGEND:
*FOR SHEET AE101 ONLY.

- 1 PATCH AND REPAIR (INFILL) AS REQUIRED SLAB @ AREAS CUT FOR NEW DRAINS / PLUMBING. INFILL TO BE LEVEL W/ ADJACENT FLOOR SURFACE.
- 2 NEW WALL - 1/2" GYPSUM BOARD OVER 2x STUDS @ 16" O.C. SECURE STUD FRAMING TO STRUCTURE ABOVE. SECURE STUD FRAMING TO CONCRETE SLAB WITH POWDER DRIVEN FASTENERS @ 16" O.C. MAX. - SEE FINISH SCHEDULE SHEET FOR WALL FINISHES. SEE SHEET G1001 FOR WALL TYPES.
- 3 NEW PLUMBING FIXTURE. SEE PLUMBING DRAWINGS.
- 4 NEW METAL TOILET PARTITION & URINAL SCREENS.
- 5 NEW ADA ACCESSIBLE CONCRETE RAMP. SLOPE NOT TO EXCEED 1:20.
- 6 NEW MOP SINK.
- 7 NEW CONDENSING UNIT & CONCRETE HOUSE KEEPING PAD. - SEE MECHANICAL DRAWINGS.
- 8 COLD FOOD COUNTER AND BEVERAGE DISPENSERS PROVIDED AND INSTALLED BY UTAH NATIONAL GUARD. SEE MECH. & ELECT. DRAWINGS.
- 9 NEW FLOOR DRAIN OR FLOOR SINK. SEE MECHANICAL.
- 10 NEW MILLWORK. SEE INTERIOR ELEVATIONS.

- 5
- 11 NEW ADA SIGNAGE. SEE DETAIL C/AE501.
- 12 NEW STAINLESS STEEL CORNER GUARDS - SEE DETAIL INDICATED.
- 13 INFILL W/ 2x STUDS @ EXISTING VENT OPENING. SEE DETAIL INDICATED.
- 14 NEW MUA UNIT. SEE MECHANICAL DRAWINGS.
- 15 NEW 2 WAY SWING DOOR W/ VISION LIGHT. SEE DOOR SCHEDULE.
- 16 LINE OF NEW HOOD ABOVE - SEE FOOD SERVICE PLAN. SEE MECH. DRAWINGS.
- 17 NEW RANGE GRILLE - SEE FOOD SERVICE PLAN.
- 18 NEW CONVECTION OVEN - SEE FOOD SERVICE PLAN F9101.
- 19 NEW REACH-IN REFRIGERATOR - SEE FOOD SERVICE PLAN.
- 20 NEW REACH-IN FREEZER - SEE FOOD SERVICE PLAN F9101.
- 21 ELECTRICAL TELECOMM EQUIPMENT. SEE ELECTRICAL DRAWINGS.
- 22 6'-0" HIGH CHAIN LINK FENCE AND GATE WITH VINYL INSERTS - COLOR TO MATCH BUILDING.
- 23 4" CONCRETE SLAB OVER 4" FREE DRAINING GRAVEL. SEE DETAIL INDICATED.
- 24 REPLACE CONCRETE AFTER TRENCHING - THICKNESS BEARING AND FINISH TO MATCH EXISTING.
- 25 LOCATION OF ELECTRICAL DISCONNECT BOXES - SEE ELECTRICAL DRAWINGS.
- 26 ASSUMED AREA OF LEVEL LANDING - GENERAL CONTRACTOR TO VERIFY.
- 27 NEW FOOD SERVICE EQUIPMENT PROVIDED AND INSTALLED BY THE NATIONAL GUARD.
- 28 WATERPROOF AND INSULATE DUCTWORK - SEE MECHANICAL DRAWINGS.
- 29 FIRE LINE RISER.
- 30 FIRE DEPARTMENT CONNECTION.

NOTE: CONTRACTOR TO PROVIDE
ADDITIONAL FIRE EXTINGUISHERS AS
REQUIRED BY STATE FIRE MARSHALL.

ARCHITECT PROJECT # 0781



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**CAMP WILLIAMS
BUILDINGS
5080 AND 5100**

SHEET NAME:

**NEW CONSTRUCTION
FLOOR PLAN**

REVISIONS

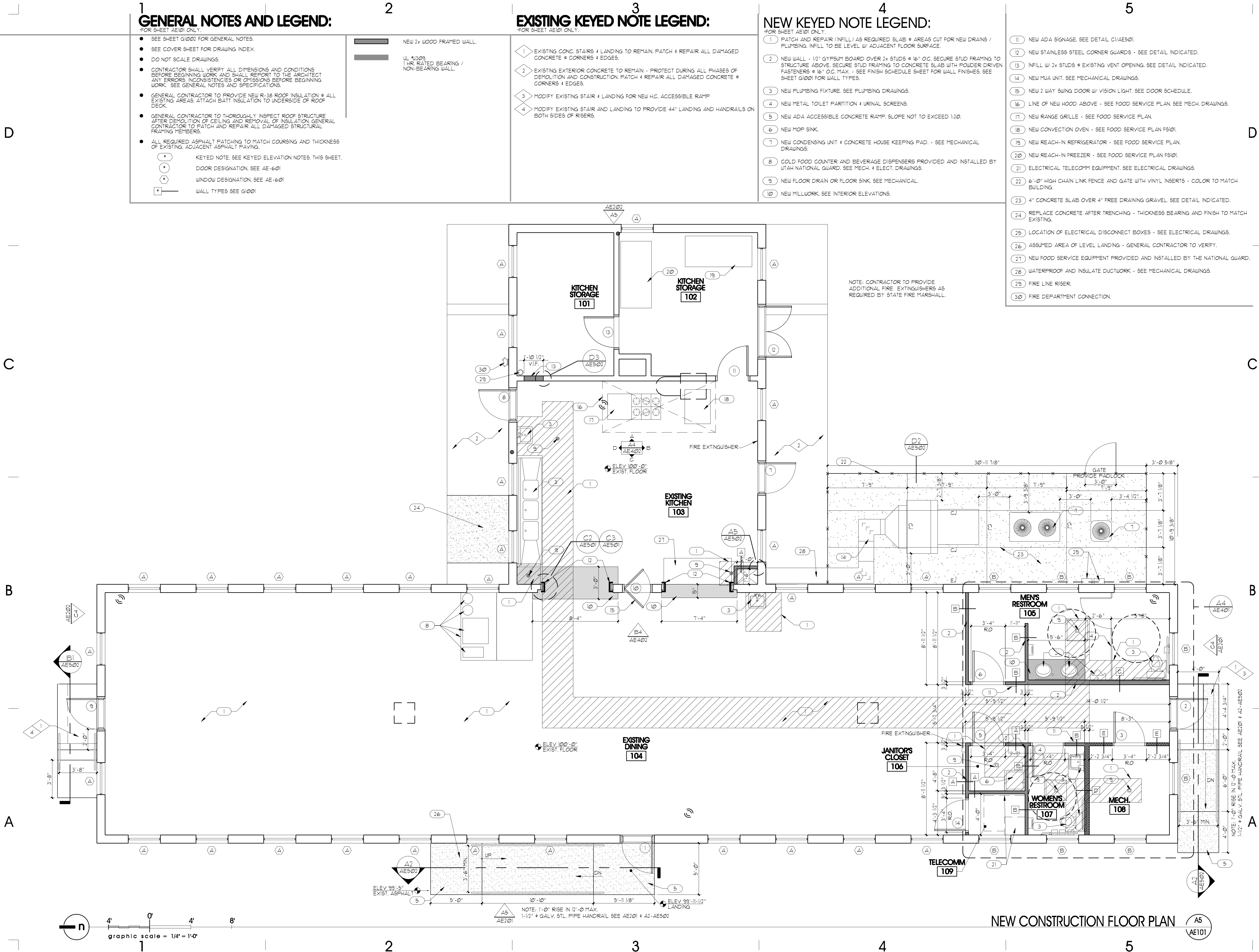
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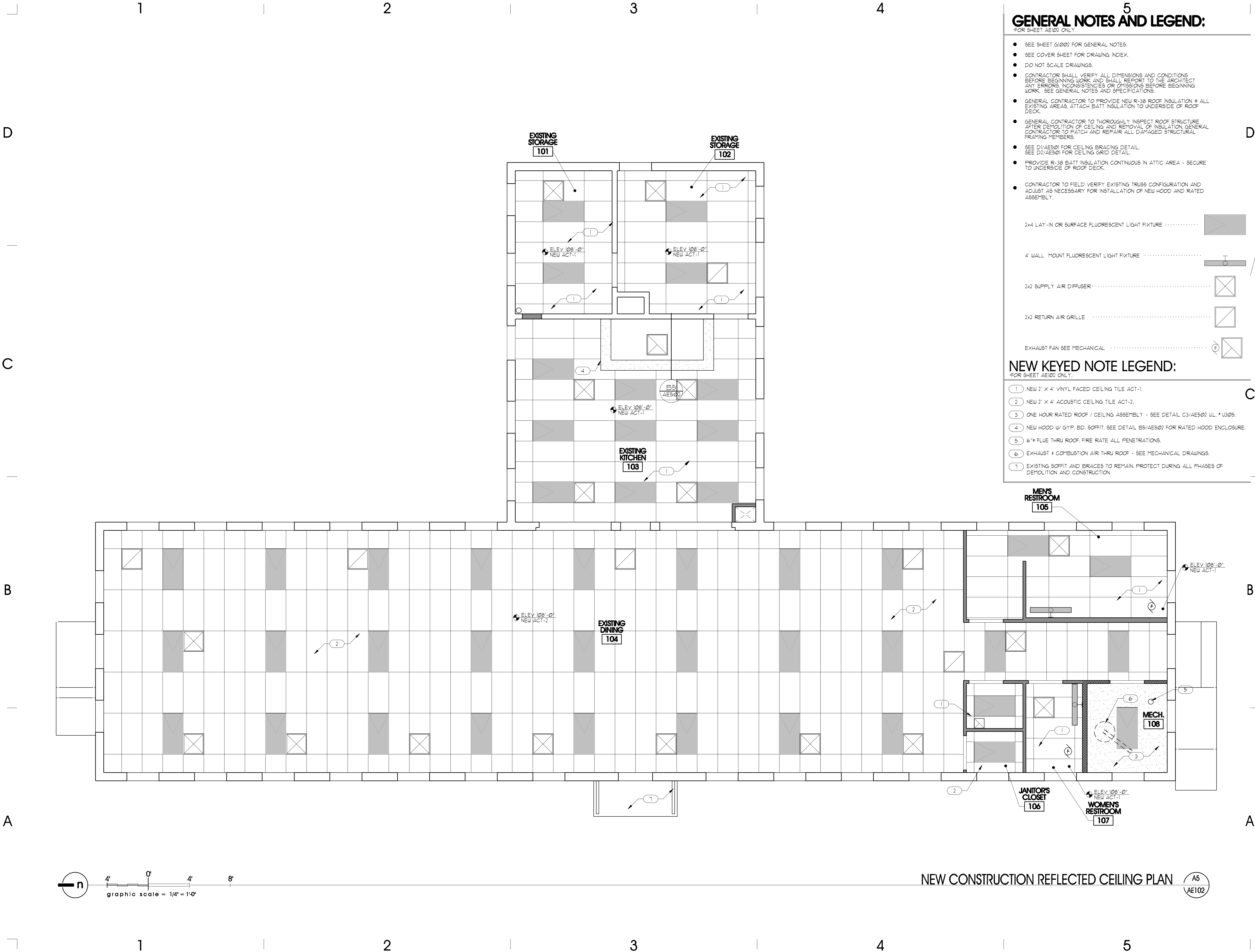
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AE101





ARCHITECT PROJECT # 0781



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**CAMP WILLIAMS
BUILDINGS
5080 AND 5100**

SHEET NAME:

**NEW CONSTRUCTION
REFLECTED CEILING
PLAN**

REVISIONS

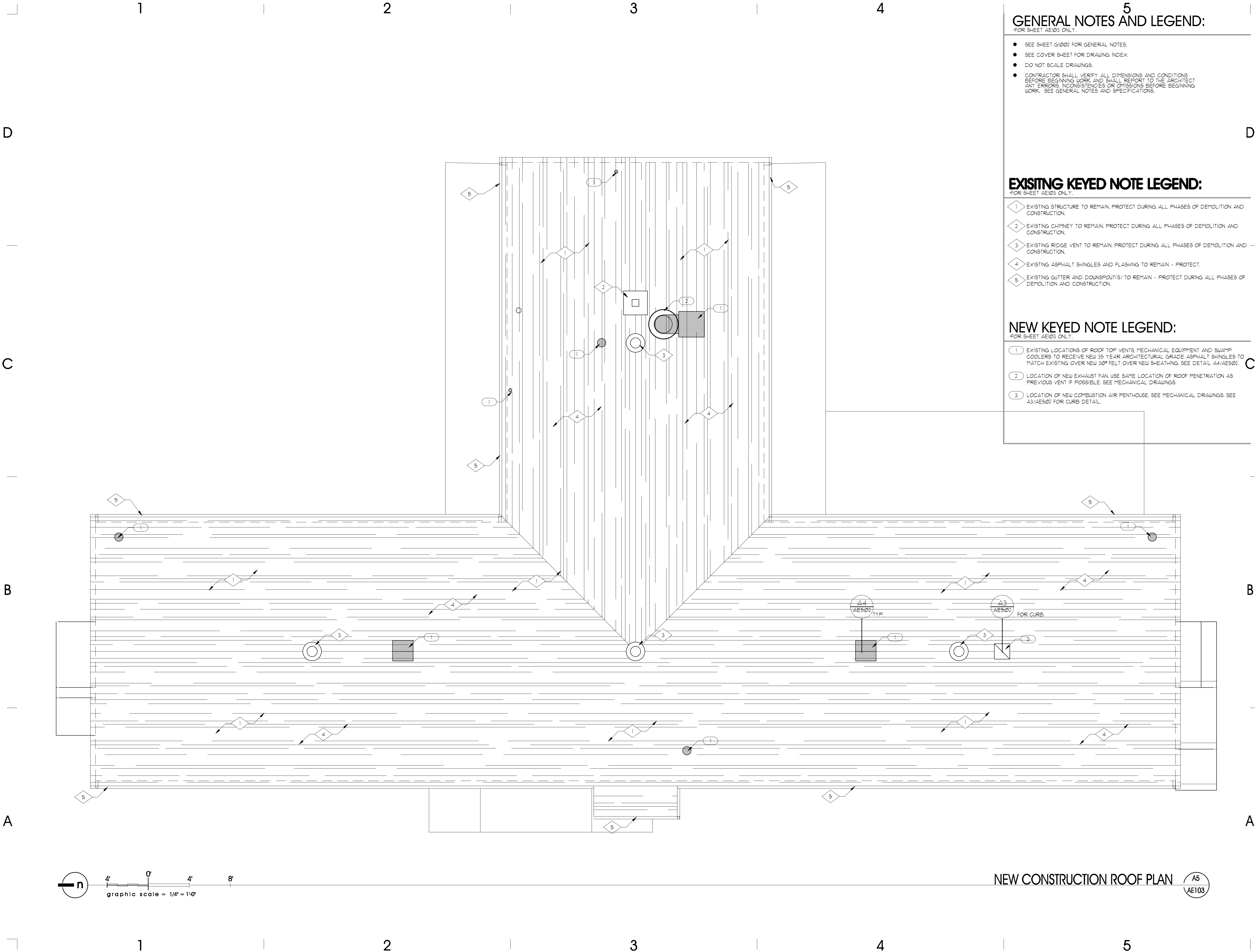
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AE102



5
GENERAL NOTES AND LEGEND:

- FOR SHEET AE103 ONLY.
- SEE SHEET G1002 FOR GENERAL NOTES.
 - SEE COVER SHEET FOR DRAWING INDEX.
 - DO NOT SCALE DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

EXISTING KEYED NOTE LEGEND:

- FOR SHEET AE103 ONLY.
- 1 EXISTING STRUCTURE TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
 - 2 EXISTING CHIMNEY TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
 - 3 EXISTING RIDGE VENT TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
 - 4 EXISTING ASPHALT SHINGLES AND FLASHING TO REMAIN - PROTECT.
 - 5 EXISTING GUTTER AND DOWNSPOUT(S) TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.

NEW KEYED NOTE LEGEND:

- FOR SHEET AE103 ONLY.
- 1 EXISTING LOCATIONS OF ROOF TOP VENTS, MECHANICAL EQUIPMENT AND SWAMP COOLERS TO RECEIVE NEW 35 YEAR ARCHITECTURAL GRADE ASPHALT SHINGLES TO MATCH EXISTING OVER NEW 30" FELT OVER NEW SHEATHING. SEE DETAIL A4/AE502.
 - 2 LOCATION OF NEW EXHAUST FAN. USE SAME LOCATION OF ROOF PENETRATION AS PREVIOUS VENT IF POSSIBLE. SEE MECHANICAL DRAWINGS.
 - 3 LOCATION OF NEW COMBUSTION AIR PENTHOUSE. SEE MECHANICAL DRAWINGS. SEE A3/AE502 FOR CURB DETAIL.

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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

NEW CONSTRUCTION
ROOF PLAN

REVISIONS

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AE103

NEW CONSTRUCTION ROOF PLAN

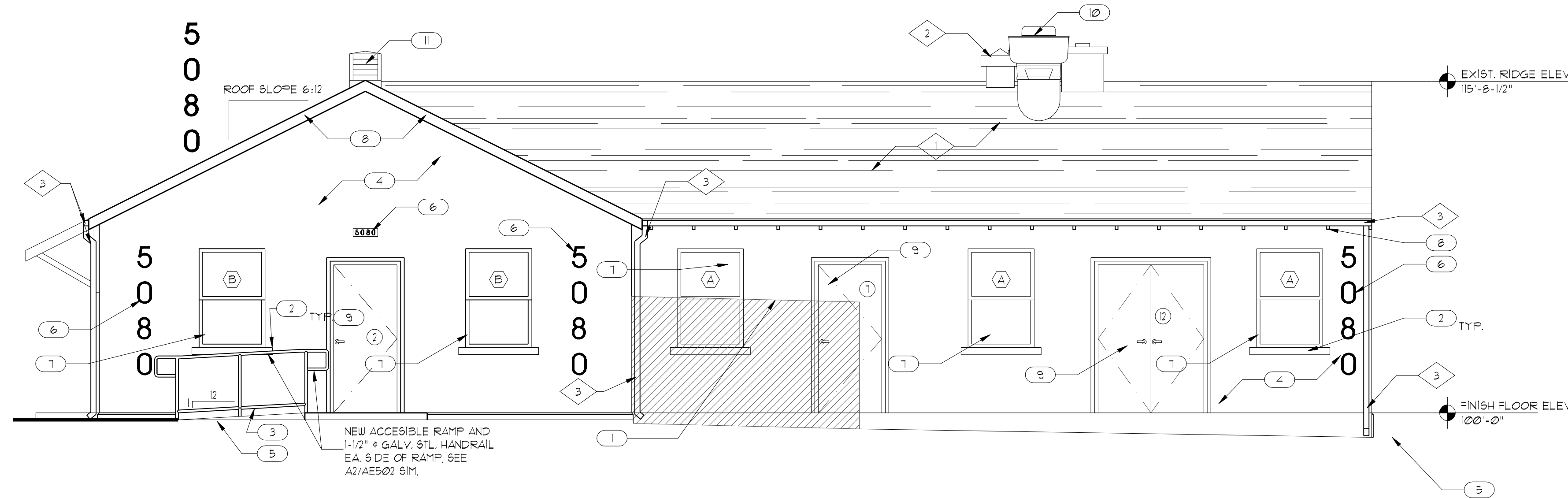
A5
AE103

D

C

B

A



EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

C4
AE202

GENERAL NOTES AND LEGEND:

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

EXISTING KEYED NOTE LEGEND:

- 1 EXISTING ROOF STRUCTURE, SHEATHING & SHINGLES TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION. PATCH & REPAIR ALL EXIST. ROOF PENETRATIONS / HOLES LEFT FROM REMOVAL OF ROOF TOP VENTS & MECHANICAL EQUIPMENT.
- 2 EXISTING VENT TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 3 EXISTING GUTTER AND DOWNSPOUTS TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.

NEW KEYED NOTE LEGEND:

- 1 LINE OF NEW 6'-0" HIGH CHAIN LINK FENCE WITH VINYL INSERTS. COLOR OF INSERTS TO MATCH BUILDING. GENERAL CONTRACTOR TO SUBMIT SAMPLES TO ARCHITECT FOR REVIEW. ALL FENCE AND GATE DETAILS TO BE BY MANUFACTURER. PROVIDE LOCKING GATE.
- 2 PATCH AND PAINT EXISTING STUCCO SILLS.
- 3 NEW CONCRETE ADA RAMP & LANDING. SLOPE TO BE 1:12 SLOPE OR LESS. VERIFY EXISTING SITE SLOPE.
- 4 PREP. AND PAINT EXISTING BUILDING AND FOUNDATION WALLS TO MATCH EXISTING COLOR. G.C. TO PATCH & REPAIR ALL CRACKS, DELAMINATED AREAS AND OTHER DAMAGED AREAS PRIOR TO PAINTING. FIELD VERIFY PRIOR TO BIDDING.
- 5 LINE OF FINISHED GRADE.
- 6 REPAINT BUILDING NUMBERS. ADD "0" TO EACH NUMBER TO READ AS FOLLOWS: 508 TO 5080, AND 510 TO 5100. NEW NUMBER SIZE AND COLOR TO MATCH EXISTING.
- 7 NEW WINDOW IN EXISTING MASONRY OPENING. HISTORIC RENOVATION STEEL WINDOWS @ BUILDING 5100. ALUMINUM WINDOWS @ BUILDING 5080. SEE WINDOW SCHEDULE SHEET.
- 8 PREP. AND PAINT EXISTING WOOD FASCIA & FRAMING MEMBERS.
- 9 NEW DOOR AND FRAME IN EXISTING MASONRY OPENING. SEE DOOR SCHEDULE SHEET.
- 10 LOCATION OF NEW EXHAUST FAN. USE SAME LOCATION OF ROOF PENETRATION AS PREVIOUS VENT IF POSSIBLE. SEE MECHANICAL DRAWINGS.
- 11 LOCATION OF NEW COMBUSTION AIR PENTHOUSE. SEE MECHANICAL DRAWINGS. SEE A3/AE502 FOR CURB DETAIL.

ARCHITECT PROJECT # 0781



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PROJECT DESCRIPTION

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Department of Administrative Services

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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

EXTERIOR ELEVATIONS
SD2
SD3
SD4
SD5

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATA

ISSUE DATE: MAY 2008
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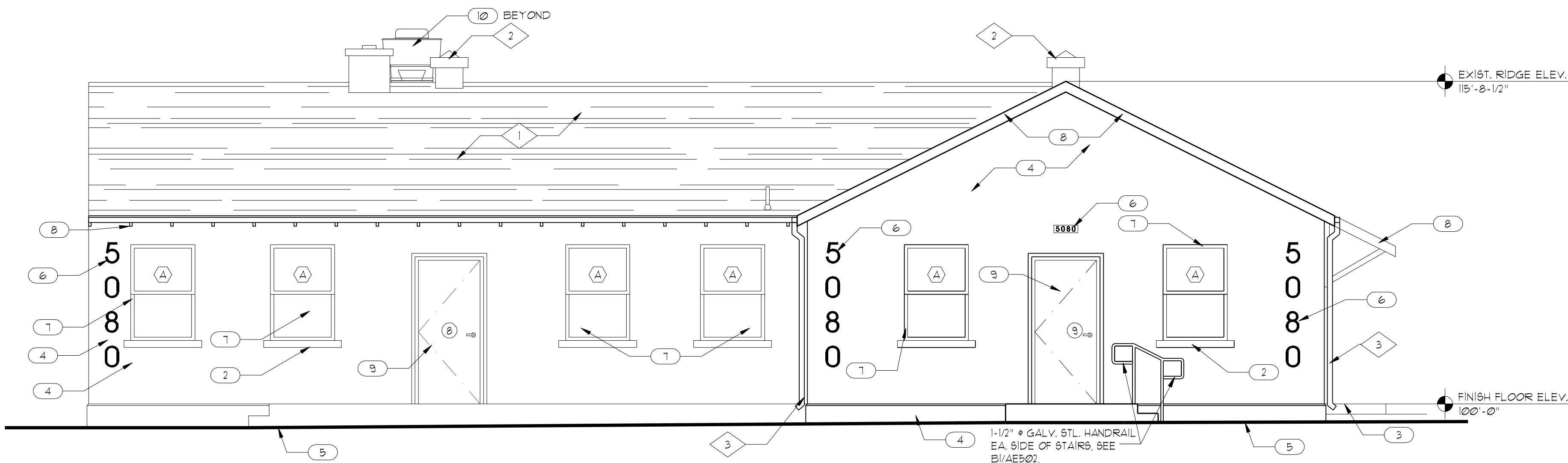
SHEET NUMBER:

AE201

EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

A5
AE201

D

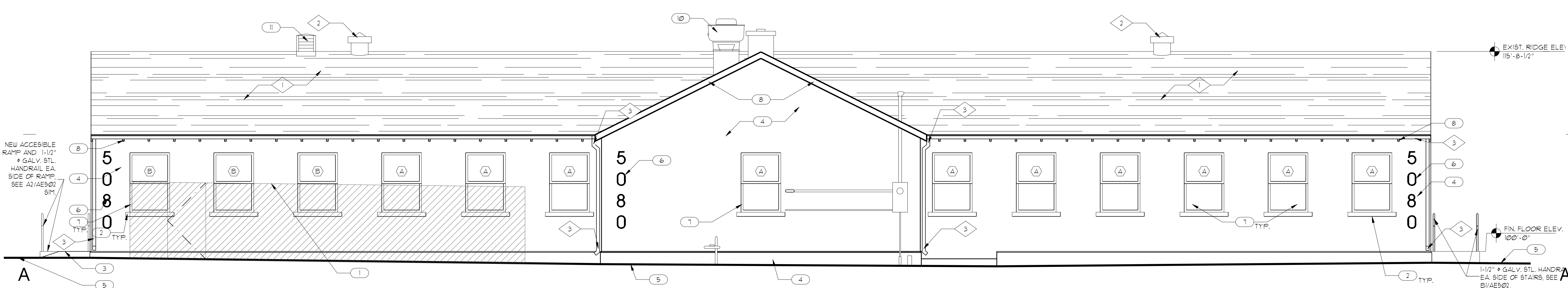


C

EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

C4
AE202

B



A

EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

A5
AE202

5
GENERAL NOTES AND LEGEND:

- FOR SHEET AE202 ONLY.
- SEE SHEET G1002 FOR GENERAL NOTES.
 - SEE COVER SHEET FOR DRAWING INDEX.
 - DO NOT SCALE DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

EXISTING KEYED NOTE LEGEND:

- FOR SHEET AE202 ONLY.
- 1 EXISTING ROOF STRUCTURE, SHEATHING, FLASHING & SHINGLES TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION. PATCH & REPAIR ALL EXIST. ROOF PENETRATIONS / HOLES LEFT FROM REMOVAL OF ROOF TOP VENTS & MECHANICAL EQUIPMENT.
 - 2 EXISTING RIDGE VENT TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
 - 3 EXISTING GUTTER AND DOWNSPOUT TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.

NEW KEYED NOTE LEGEND:

- FOR SHEET AE202 ONLY.
- 1 LOCATION OF NEW 6'-0" HIGH CHAIN LINK FENCE WITH VINYL INSERTS - COLOR OF INSERT TO MATCH BUILDING - GENERAL CONTRACTOR TO SUBMIT SAMPLES TO ARCHITECT FOR REVIEW. ALL FENCING AND GATE DETAILS TO BE BY MANUFACTURER. PROVIDE LOCKING GATE.
 - 2 PAINT EXISTING STUCCO SILLS.
 - 3 NEW CONCRETE ADA RAMP & LANDING. SLOPE TO BE 1:20 OR LESS. VERIFY EXISTING SITE SLOPE.
 - 4 PREP. AND PAINT EXISTING BUILDING AND FOUNDATION WALLS TO MATCH EXISTING COLOR. G.C. TO PATCH & REPAIR ALL CRACKS, DELAMINATED AREAS AND OTHER DAMAGED AREAS PRIOR TO PAINTING. FIELD VERIFY DURING BIDDING.
 - 5 LINE OF FINISHED GRADE.
 - 6 REPAINT BUILDING NUMBERS. ADD '10' TO EACH NUMBER TO READ AS FOLLOWS: 508 TO 5080, AND 510 TO 5100. NEW NUMBER SIZE AND COLOR TO MATCH EXISTING.
 - 7 NEW WINDOW IN EXISTING MASONRY OPENING. HISTORIC RENOVATION STEEL WINDOWS @ BUILDING 5100, ALUMINUM WINDOWS @ BUILDING 5080. SEE WINDOW SCHEDULE SHEET.
 - 8 PREP. AND PAINT EXISTING WOOD FASCIA & FRAMING MEMBERS.
 - 9 NEW DOOR AND FRAME IN EXISTING MASONRY OPENING. SEE DOOR SCHEDULE SHEET.
 - 10 LOCATION OF NEW EXHAUST FAN. USE SAME LOCATION OF ROOF PENETRATION AS PREVIOUS VENT IF POSSIBLE. SEE MECHANICAL DRAWINGS.
 - 11 LOCATION OF NEW COMBUSTION AIR PENTHOUSE. SEE MECHANICAL DRAWINGS. SEE A3/AE502 FOR CURB DETAIL.

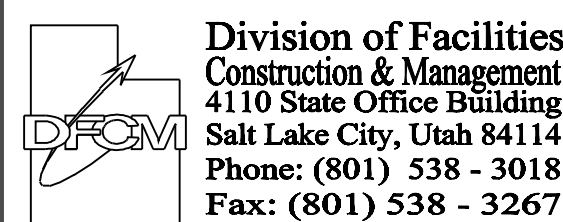
ARCHITECT PROJECT # 0781



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Department of Administrative Services



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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

EXTERIOR ELEVATIONS

REVISIONS

MARK	DATE	DESCRIPTION
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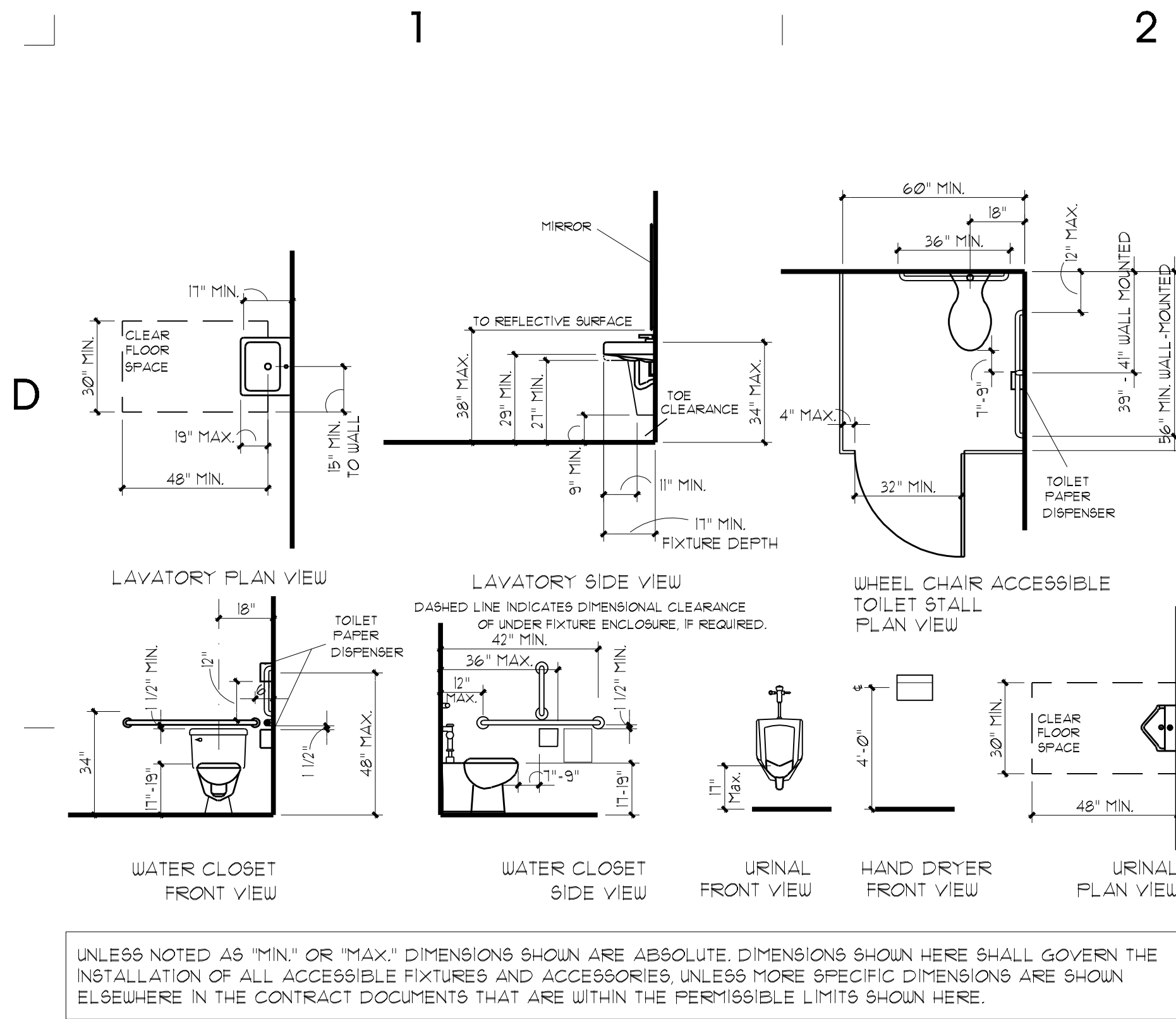
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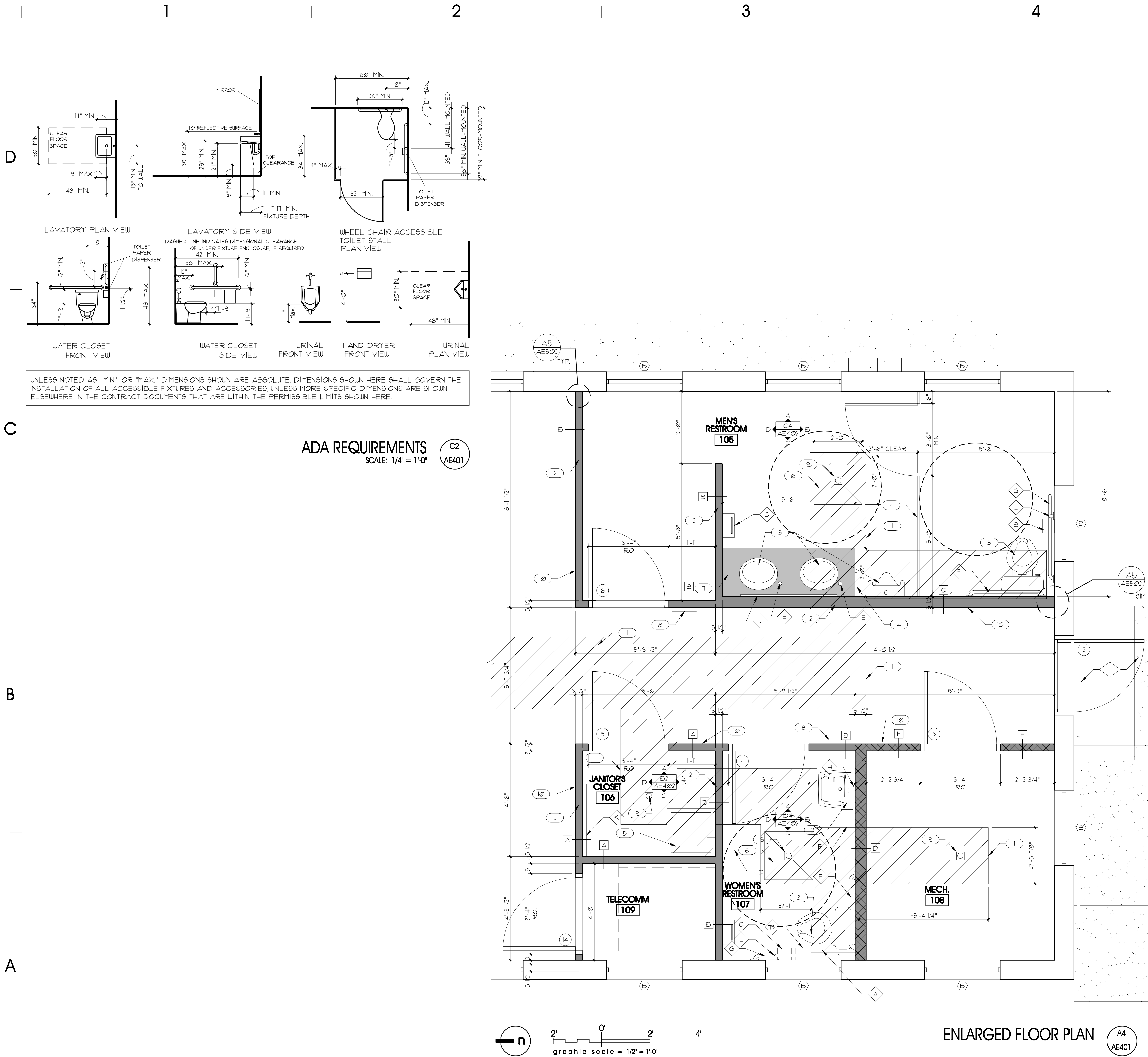
SHEET NUMBER:

AE202

SHEET 11 OF



ADA REQUIREMENTS
SCALE: 1/4" = 1'-0"



GENERAL NOTES AND LEGEND:

- FOR SHEET AE401 ONLY.
- SEE SHEET G1007 FOR GENERAL NOTES.
 - SEE COVER SHEET FOR DRAWING INDEX.
 - DO NOT SCALE DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
 - GENERAL CONTRACTOR TO PROVIDE NEW R-38 ROOF INSULATION & ALL EXISTING AREAS. ATTACH BATT INSULATION TO UNDERSIDE OF ROOF DECK.
 - GENERAL CONTRACTOR TO THOROUGHLY INSPECT ROOF STRUCTURE AFTER DEMOLITION OF CEILING AND REMOVAL OF INSULATION. GENERAL CONTRACTOR TO PATCH AND REPAIR ALL DAMAGED STRUCTURAL FRAMING MEMBERS.
 - ADD SOUND ATTENUATION BLANKET INSULATION CONTINUOUS AT ALL RESTROOM WALLS AND CEILINGS.
- KEYED NOTE. SEE KEYED ELEVATION NOTES, THIS SHEET.
- DOOR DESIGNATION. SEE AE-601
- WINDOW DESIGNATION. SEE AE-601
- WALL TYPES
- NEW 2x WOOD FRAMED WALL.
- UL #309
1 HR. RATED BEARING /
NON-BEARING WALL.

EXISTING KEYED NOTE LEGEND:

- FOR SHEET AE401 ONLY.
- 1 EXISTING CONC. STAIRS AND LANDING TO REMAIN. PATCH & REPAIR ALL DAMAGED CONCRETE & CORNERS & EDGES.

NEW KEYED NOTE LEGEND:

- FOR SHEET AE401 ONLY.
- 1 PATCH AND REPAIR (INFILL) SLAB & AREAS CUT FOR NEW DRAINS / PLUMBING. COORDINATE W/ PLUMBING CONTRACTOR FOR SAW CUTTING & DEMO.
- 2 NEW WALL - 1/2" GYPSUM BOARD OVER 2x STUDS @ 16" O.C. SECURE STUD FRAMING TO STRUCTURE ABOVE. SECURE STUD FRAMING TO CONCRETE SLAB WITH POWDER DRIVEN FASTENERS @ 16" O.C. MAX. - SEE FINISH SCHEDULE SHEET FOR WALL FINISHES & WALL TYPES.
- 3 NEW PLUMBING FIXTURE. SEE PLUMBING DRAWINGS.
- 4 NEW METAL TOILET PARTITION & URINAL SCREEN.
- 5 NEW MOP SINK. SEE PLUMBING DRAWINGS.
- 6 SLOPE FLOOR TILE TOWARDS DRAIN THIS AREA.
- 7 NEW MILLWORK. SEE INTERIOR ELEVATIONS.
- 8 NEW ADA SIGNAGE. SEE DETAIL C1/AE501.
- 9 NEW FLOOR DRAIN OR FLOOR SINK. SEE MECHANICAL DRAWINGS.
- 10 NEW WOOD BASE TO MATCH EXISTING - PAINT. (COLOR BY ARCH.)

ACCESSORY SCHEDULE

DESCRIPTION	MOUNTING HEIGHT AFF	MANUF.	ITEM #
ROBE HOOK (LOCATE 1 PER STALL, # INSIDE OF DOOR)	60" AFF.	Bobrick	B-211
SANITARY NAPKIN DISPOSAL	30" TO TOP, UNLESS NOTED.	Bobrick	B-210
TOILET PAPER DISPENSER/DISPOSER	AS REQUIRED BY ADA	Bradley	522
SURFACE MOUNTED SANITARY NAPKIN DISPENSER	48" TO HIGHEST OPER. PART MAX.	A.J. Washroom Accessories	U510
PAPER TOWEL DISPENSER	AS REQUIRED BY ADA	Bobrick	B-43949
SOAP DISPENSER	AS REQUIRED	BY UTNG	BY UTNG
36" GRAB BAR	AS REQUIRED BY ADA	Bobrick	B-550 x 36
42" GRAB BAR	AS REQUIRED BY ADA	Bobrick	CUSTOM
2'-0" x 3'-0" MIRROR	AS REQUIRED BY ADA	Bobrick	B-165-3426
4'-0" x 3'-0" MIRROR	AS REQUIRED BY ADA	Bobrick	B-165-4836
36" MP & BROOM HOLDER	PER MANUF.	Bobrick	B-223x36
18" GRAB BAR	AS REQUIRED BY ADA	Bobrick	CUSTOM

GENERAL NOTE: THESE MOUNTING HEIGHTS SHALL BE USED FOR ACCESSIBLE ITEMS WHEN NOT INDICATED OTHERWISE.

SEE D1/AE401 FOR CUSTOM GRAB BAR DIMENSIONS.

ARCHITECT PROJECT # 0781



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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

ENLARGED
FLOOR
PLAN

REVISIONS

MARK DATE DESCRIPTION

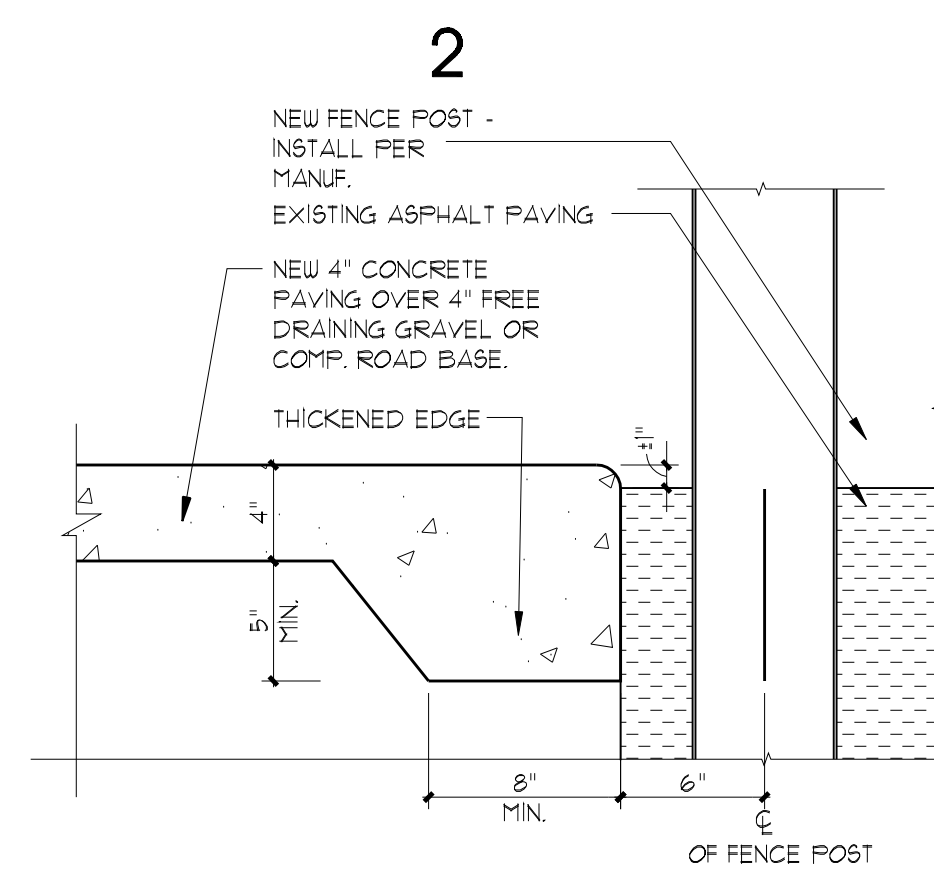
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AE401



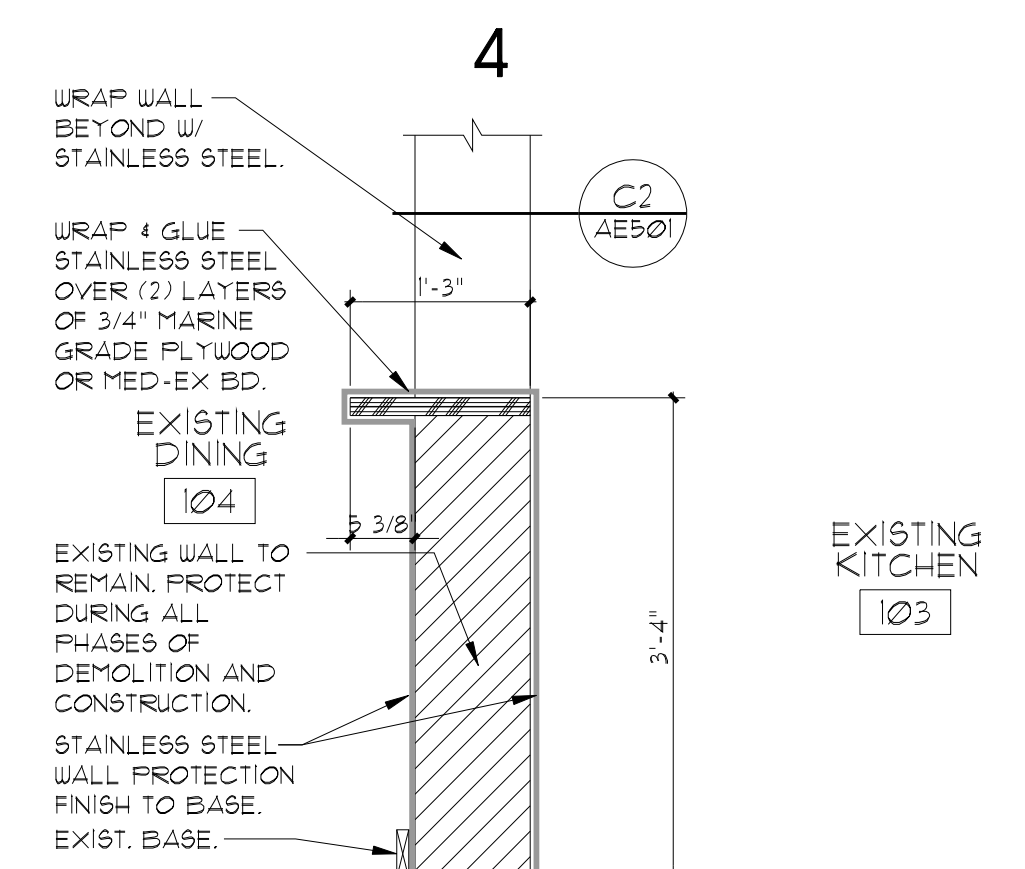


DETAIL @ CONCRETE SLAB TO GRADE

SCALE: 1 1/2" = 1'-0"

D2

AE502

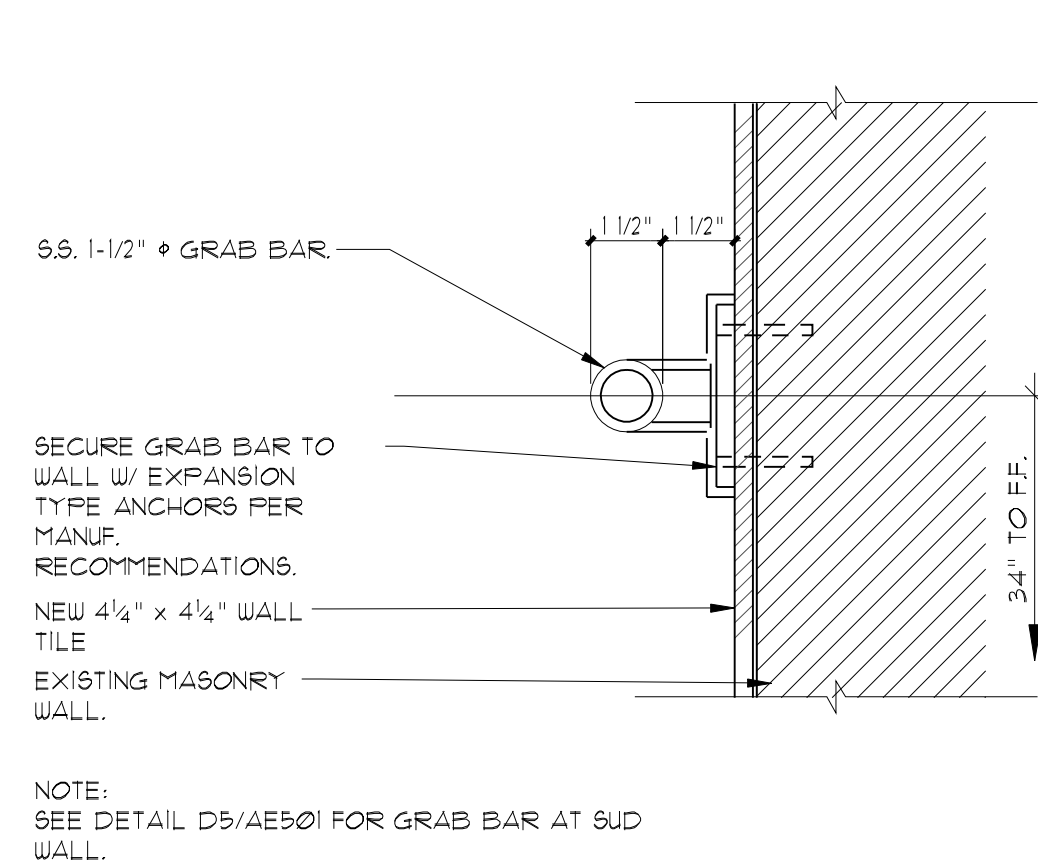


MILLWORK SECTION

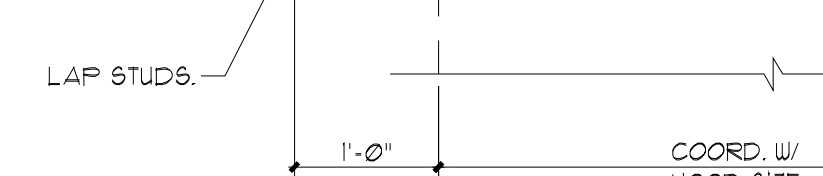
SCALE: 3/4" = 1'-0"

D4

AE50



42" GRAB BAR DETAIL



GREASE EXHAUST FAN DETAIL (B5)
SCALE: 3/4" = 1'-0" (AE502)



D

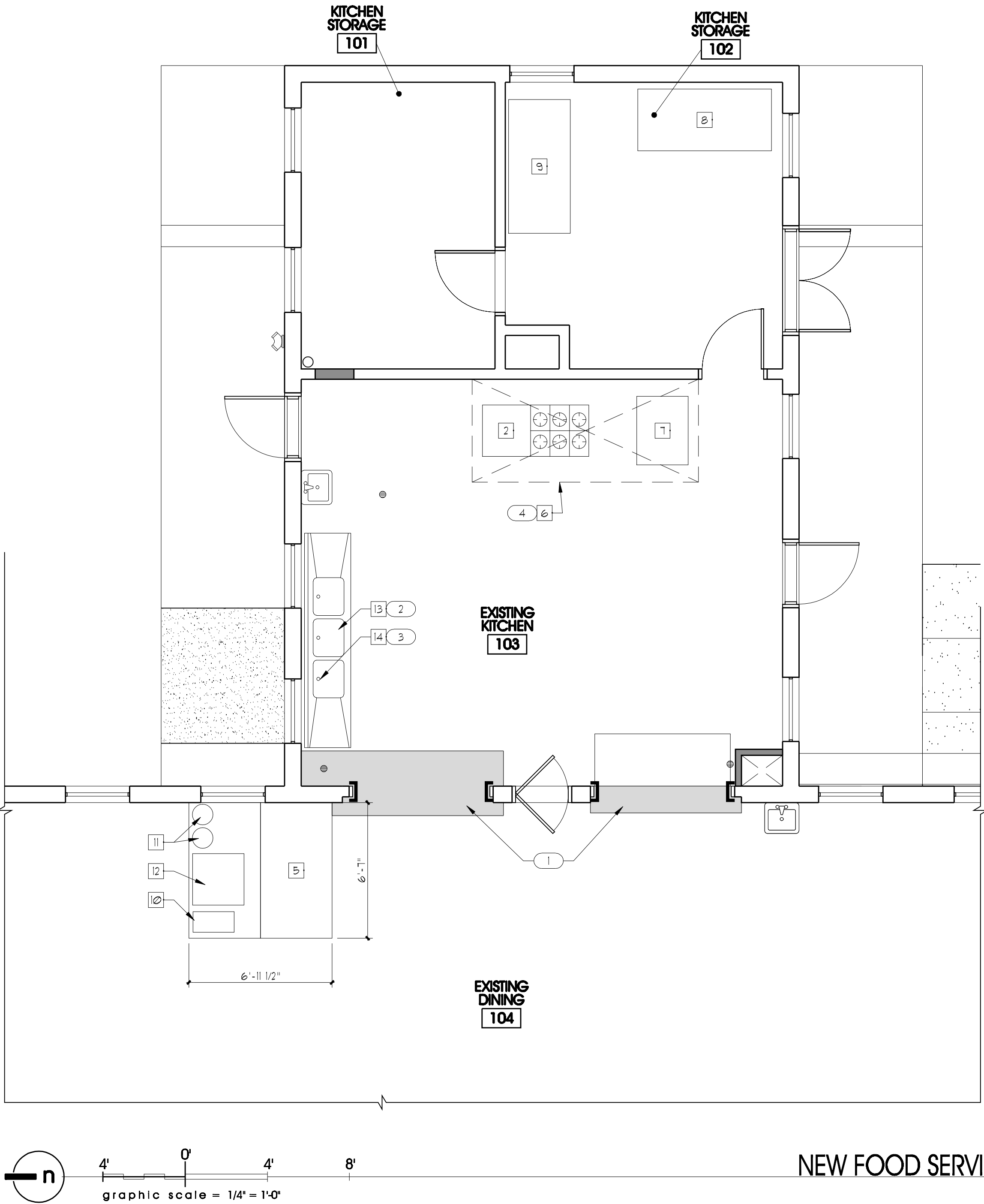
C

B

A

FOOD SERVICE SCHEDULE								
	EQUIPMENT NAME	MANUFACTURER MODEL NUMBER	SIZE	LOCATION	ELECTRICAL REQUIREMENTS	PLUMBING REQUIREMENTS	GAS LINE	REMARKS
1	BOOSTER HEATER	-	-	SINK	-	-	-	
2	RANGE GRILLE	GARLAND	62" W x 30" D x 44" H	PER PLAN	-	-	3/4"	
3	SNEEZE GUARDS	-	-	PER PLAN	-	-	-	
4	HOT FOOD COUNTER	EAGLE SUITS 240	79" W x 30" D x 35" H	PER PLAN	240V	CENTER DRAIN	-	
5	COLD FOOD COUNTER	BAYONNE	33½" W x 13" D x 31½" H	PER PLAN	110V	1/2" CW 3/4" DRAIN	-	
6	S.S. OVEN / RANGE HOOD	GAYLORD 45X2-BDL	-	PER PLAN	-	-	-	(2)
7	CONVECTION OVEN	WOLF	50" W x 30" D x 66" H	PER PLAN	62 AMPS 110V	-	1"	(1)
8	REFRIGERATOR	TRUE	78" W x 36" D x 82" H	PER PLAN	220V	-	-	
9	FREEZER	TRUE	78" W x 36" D x 82" H	PER PLAN	110V	-	-	
10	BREAD DISPENSER	-	-	PER PLAN	110V	-	-	
11	COFFEE POTS	-	-	PER PLAN	110V	-	-	
12	BEVERAGE DISPENSER	-	-	PER PLAN	110V	-	-	
13	3 COMPARTMENT STAINLESS STEEL SINK	-	-	PER PLAN	-	-	-	
14	DISPOSAL	-	-	SINK	2 HP 110V	-	-	(2)
15	GREASE TRAP	-	-	-	-	-	-	(2)
REMARKS								
(1) NEW CONVECTION OVEN TO BE COMPLETE WITH EXHAUST CANOPY DUCTED TO ROOF MOUNTED EXHAUST FAN. DUCT TO BE INSTALLED 16 GA. STAINLESS STEEL. PLUMBING CONTRACTOR TO FURNISH 1" GAS SUPPLY LINE TO OVENS WITH 3/4" GAS VALVES. CONTRACTOR TO FURNISH AND INSTALL OVEN EXHAUST HOOD OVER OVENS.								
(2) TO BE PROVIDED AND INSTALLED BY G.C. .								
(3) G.C. TO VERIFY HEIGHT REQUIRED TO FIT GARBAGE DISPOSER UNDER (3) COMPARTMENT SINK AND PROVED LEG HEIGHT EXTENSION AS / IF REQUIRED BY SINK ASSEMBLY.								

ALL OF THIS EQUIPMENT IS PROVIDED & INSTALLED BY UTAH NATIONAL GUARD. UN.O.



NEW FOOD SERVICE LAYOUT

A5
FS101

GENERAL NOTES AND LEGEND:

*FOR SHEET FS101 ONLY:

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- ALL EQUIPMENT WILL BE PURCHASED AND INSTALLED BY UTAH NATIONAL GUARD. UN.O. GENERAL CONTRACTOR TO PROVIDE ROUGH-IN ONLY & ASSOCIATED 1 HR. RATED ENCLOSURE & EXHAUST WORK & HOODS.

NEW KEYED NOTE LEGEND:

*FOR SHEET FS101 ONLY:

- (1) MILLWORK BY CONTRACTOR.
- (2) STAINLESS STEEL (3) COMPARTMENT SINK TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
- (3) DISPOSAL TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
- (4) EXHAUST HOOD TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.

ARCHITECT PROJECT # 0781



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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

NEW FOOD
SERVICE LAYOUT

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATA

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SHEET NUMBER:

FS101

LEGEND			
MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE	— — — — —	WALL CLEANOUT	WCO
HOT WATER RECIRC LINE	— — — — —	CLEANOUT	CO
COLD WATER LINE	— — — — —	CLEANOUT TO GRADE	COTG
VENT LINE	— — — — —	FLOOR CLEANOUT	FCO
WASTE LINE	— — — — —	BALL VALVE	⊕
VENT THRU ROOF	VTR	UNION	— — —

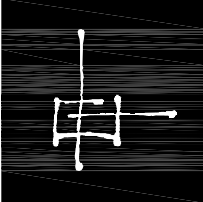
GENERAL LEGEND		
NOT ALL SYMBOLS LISTED BELOW ARE USED ON THIS SET OF PLUMBING DRAWINGS		
SYMBOL	ABR.	DESCRIPTION
INV. ELEV.	AFF	ABOVE FINISHED FLOOR
	AP	ACCESS PANEL
	CI	CAST IRON
	CL	CENTER LINE ELEVATION
	CC	CONTROL CONTRACTOR
	EC	ELECTRICAL CONTRACTOR
	FPC	FIRE PROTECTION CONTRACTOR
	GC	GENERAL CONTRACTOR
		INVERT ELEVATION
	MC	MECHANICAL CONTRACTOR
WH-1	NIC	NOT IN CONTRACT
	NTS	NOT TO SCALE
	VCP	VITRIFIED CLAY PIPE
		PLUMBING FIXTURE AND/OR EQUIPMENT DESIGNATION (TYPICAL)

PLUMBING GENERAL NOTES:

- G-1
- ALL PLUMBING SHALL BE INSTALLED AND CONFORM TO THE 2006 EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.
- G-2
- ALL PIPING MATERIALS SHALL MEET ALL REQUIREMENTS OF IPC AND LOCAL AUTHORITY. PLASTIC PIPING SHALL BE ALLOWED ONLY WHERE ALLOWED BY CODE. PLASTIC PIPING SHALL NOT BE ROUTED THROUGH RETURN AIR PLENUMS OR OTHER AREAS PROHIBITED BY THE IMC, IPC OR NFPA CODES OR BY LOCAL AUTHORITY
- G-3
- GAS PIPING INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH GAS COMPANY REGULATIONS, NFPA CODE REQUIREMENTS, AND LOCAL AUTHORITY.
- G-4
- ALL MATERIALS SHALL BE NEW AND SHALL BE DOMESTIC MADE UNLESS SPECIFICALLY APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER.
- G-5
- PROVIDE VACUUM BREAKERS AND BACK FLOW PREVENTERS WHERE REQUIRED BY CODE OR WHERE THERE MAY BE ANY POSSIBLE CHANCE FOR CROSS CONTAMINATION. PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH UTAH CODE.
- G-6
- ALL PLUMBING INFORMATION IS NOT LIMITED TO THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING ARCHITECTURAL DRAWING, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.
- G-7
- THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL PIPING SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- G-8
- COORDINATE ALL PIPING AND PLUMBING EQUIPMENT WITH ALL OTHER TRADES AND/OR CONTRACTORS PRIOR TO INSTALLATION.
- G-9
- ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.
- G-10
- GAS LINE FITTINGS SHALL BE STANDARD WELD FITTINGS WITH TAPERED REDUCERS. DO NOT USE VALVES, UNIONS, OR AUTO CONTROLS IN GAS LINES ROUTED IN INACCESSIBLE CONCEALED SPACES.
- G-11
- ALL WATER SYSTEMS SHALL MEET THE REQUIREMENTS OF ANSI/NSF STANDARD 61 SECTION 9 (1998), CONCERNING METAL CONTAMINANTS IN THE WATER SYSTEM.
- G-12
- WATER PIPING SHALL NOT BE ROUTED IN OUTSIDE WALLS OR ON EXTERIOR SIDE OF BUILDING INSULATION ENVELOPE.
- G-13
- WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ALL WATER LINES WITH QUICK OPEN OR QUICK CLOSE VALVES.
- WATER HAMMER ARRESTOR SCHEDULE:
TYPE A 1-11 FIXTURE UNITS
TYPE B 12-32 FIXTURE UNITS
TYPE C 33-60 FIXTURE UNITS
TYPE D 61-113 FIXTURE UNITS


ARCHITECT

PROJECT # 0310



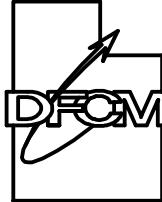
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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

PLUMBING GENERAL
NOTES AND LEGEND

REVISIONS

MARK	DATE	DESCRIPTION
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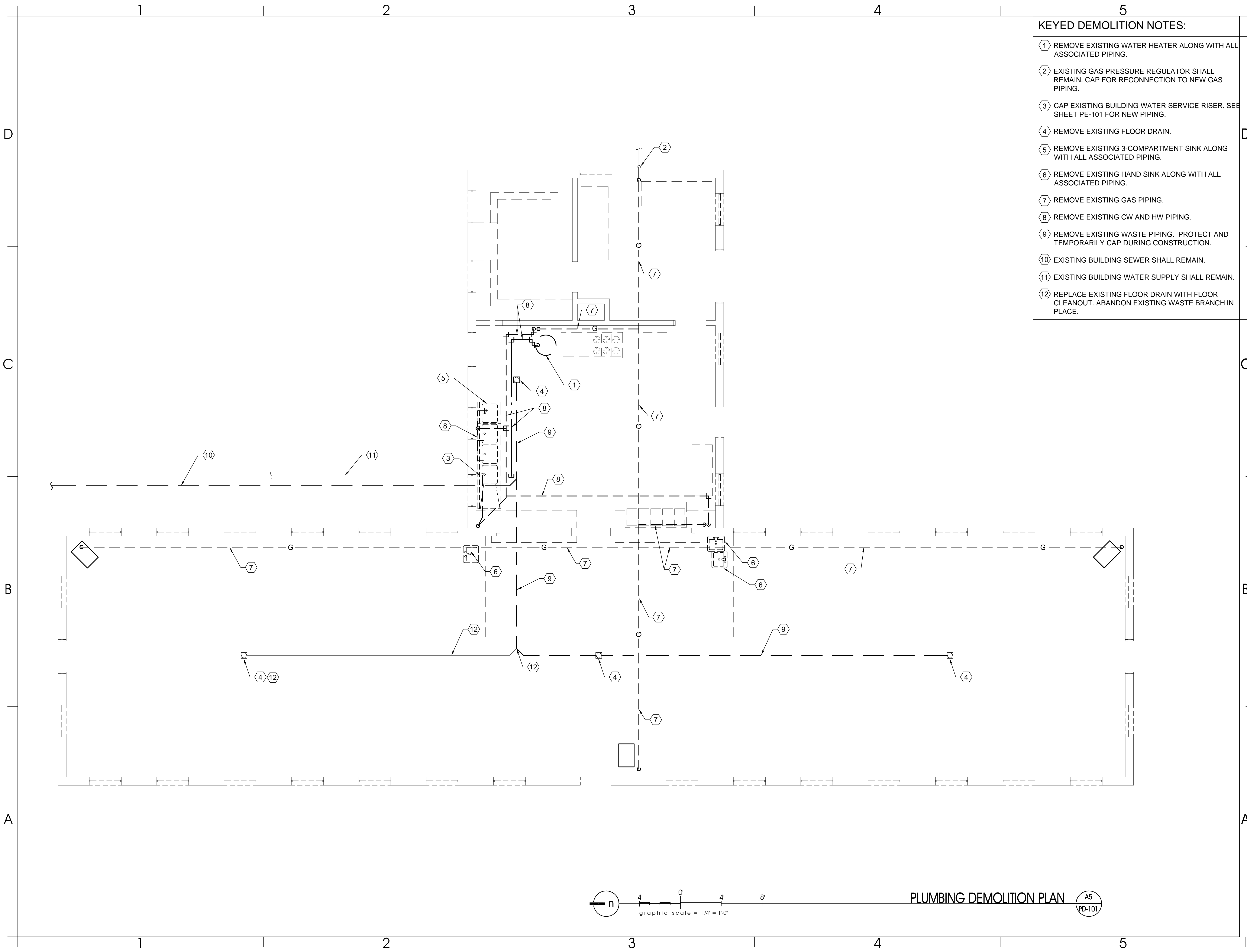
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SHEET 18 OF 35



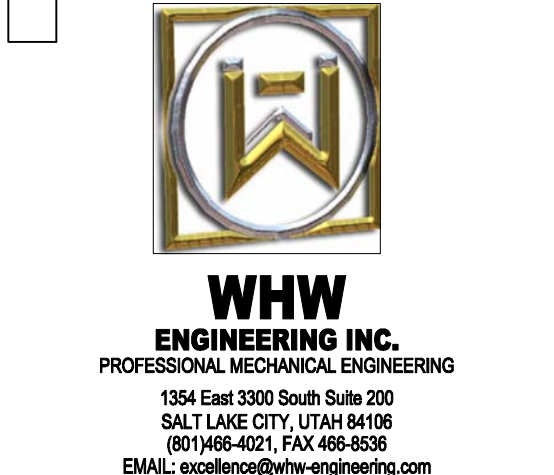
KEYED DEMOLITION NOTES:

- 1 REMOVE EXISTING WATER HEATER ALONG WITH ALL ASSOCIATED PIPING.
- 2 EXISTING GAS PRESSURE REGULATOR SHALL REMAIN. CAP FOR RECONNECTION TO NEW GAS PIPING.
- 3 CAP EXISTING BUILDING WATER SERVICE RISER. SEE SHEET PE-101 FOR NEW PIPING.
- 4 REMOVE EXISTING FLOOR DRAIN.
- 5 REMOVE EXISTING 3-COMPARTMENT SINK ALONG WITH ALL ASSOCIATED PIPING.
- 6 REMOVE EXISTING HAND SINK ALONG WITH ALL ASSOCIATED PIPING.
- 7 REMOVE EXISTING GAS PIPING.
- 8 REMOVE EXISTING CW AND HW PIPING.
- 9 REMOVE EXISTING WASTE PIPING. PROTECT AND TEMPORARILY CAP DURING CONSTRUCTION.
- 10 EXISTING BUILDING SEWER SHALL REMAIN.
- 11 EXISTING BUILDING WATER SUPPLY SHALL REMAIN.
- 12 REPLACE EXISTING FLOOR DRAIN WITH FLOOR CLEANOUT. ABANDON EXISTING WASTE BRANCH IN PLACE.

ARCHITECT PROJECT # 0310

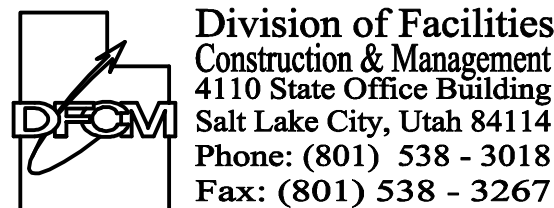


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Department of Administrative Services



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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

PLUMBING
DEMOLITION PLAN

REVISIONS

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SHEET 19 OF 35

KEYED NOTES:

- 24) PROVIDE NEW FIRE RISER AND FIRE DEPARTMENT CONNECTION. COORDINATE WITH SITE UTILITY CONTRACTOR TO PROVIDE EXTERIOR FIRELINE TO 5' OUTSIDE BUILDING.
- 25) SEE CIVIL SITE UTILITY PLAN FOR CONTINUATION.
- 26) PROVIDE NEW FLOOR CLEANOUT IN PLACE OF EXISTING FLOOR DRAIN. EXISTING BRANCH LINE SHALL REMAIN. RE-CONNECT TO NEW MAIN.

KEYED NOTES:

- 22) APPROXIMATE LOCATION OF GREASE INTERCEPTOR. SEE DETAIL C3/PE502. COORDINATE EXACT LOCATION WITH OWNER AND EXISTING CONDITIONS. COORDINATE WITH G.C.FOR SITE WORK.
- 23) APPROXIMATE LOCATION OF SAMPLING MANHOLE. SEE DETAIL A3/PE502. SAMPLING MANHOLE SHALL MATCH STANDARD FOR SOUTH VALLEY WATER RECLAMATION. COORDINATE EXACT LOCATION WITH OWNER AND EXISTING CONDITIONS. COORDINATE WITH G.C. FOR SITE WORK. FIELD VERIFY EXISTING WASTE LINE INVERT ELEVATION, AND TIE IN WHERE NECESSARY TO MAINTAIN MINIMUM SLOPE.

KEYED NOTES:

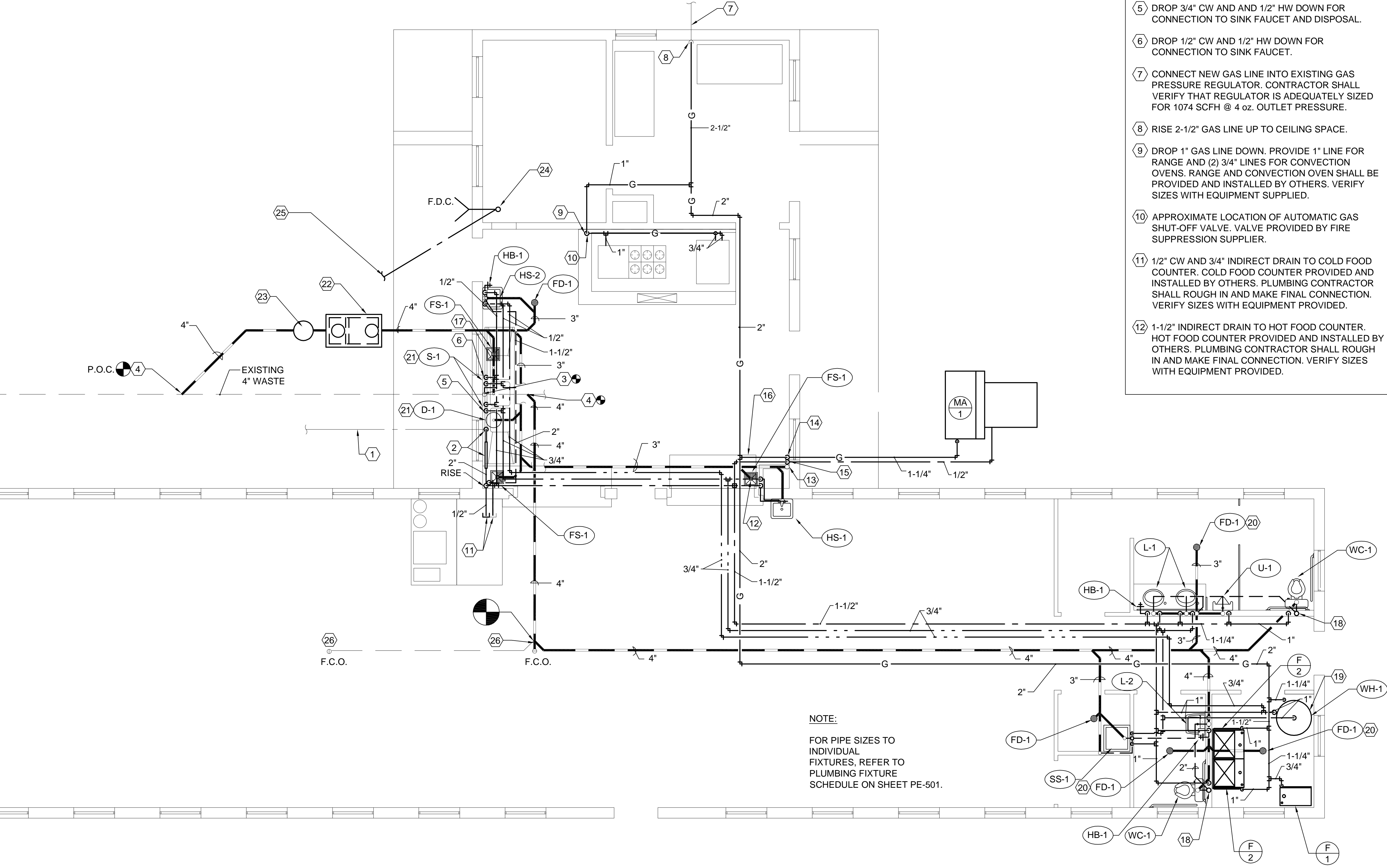
- 17) ROUTE 2" SINK DRAIN TO FLOOR SINK.
- 18) 4" V.T.R.
- 19) SEE WATER HEATER DETAIL A3/PE-501.
- 20) ROUTE TRAP PRIMER PIPING BELOW SLAB FROM JANITORS CLOSET OR LAVATORY TO FLOOR DRAIN. SEE DETAIL B1/PE-501.
- 21) COORDINATE SINK AND DISPOSER INSTALLATION. PROVIDE MINIMUM 18-1/2" CLEAR SPACE BENEATH SINK TO ACCOMMODATE DISPOSER.

KEYED NOTES:

- 13) 2" V.T.R. OFFSET AS NECESSARY AWAY FROM EDGE OF BUILDING.
- 14) 1-1/4" GAS LINE DROP DOWN AND ROUTE OUT TO MAKE-UP AIR UNIT.
- 15) 1/2" CW LINE DROP DOWN AND ROUTE OUT TO MAKE-UP AIR UNIT. PROVIDE WITH SHUT-OFF VALVE AND DRAIN.
- 16) COORDINATE ROUTING OF PIPING IN THIS AREA WITH DUCT CHASE.

KEYED NOTES:

- 1) APPROXIMATE LOCATION OF 2" WATER LINE. CONTRACTOR SHALL FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING WATER LINE.
- 2) CONNECT NEW 2" WATER LINE INTO EXISTING 2" WATER RISER AT THIS APPROXIMATE LOCATION. PROVIDE NEW PRESSURE REDUCING STATION. SEE DETAIL A1 ON SHEET PE-501.
- 3) CONNECT INTO EXISTING 4" V.T.R. AT THIS APPROXIMATE LOCATION.
- 4) CONNECTION INTO EXISTING 4" WASTE AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION AND DEPTH.
- 5) DROP 3/4" CW AND AND 1/2" HW DOWN FOR CONNECTION TO SINK FAUCET AND DISPOSAL.
- 6) DROP 1/2" CW AND 1/2" HW DOWN FOR CONNECTION TO SINK FAUCET.
- 7) CONNECT NEW GAS LINE INTO EXISTING GAS PRESSURE REGULATOR. CONTRACTOR SHALL VERIFY THAT REGULATOR IS ADEQUATELY SIZED FOR 1074 SCFH @ 4 oz. OUTLET PRESSURE.
- 8) RISE 2-1/2" GAS LINE UP TO CEILING SPACE.
- 9) DROP 1" GAS LINE DOWN. PROVIDE 1" LINE FOR RANGE AND (2) 3/4" LINES FOR CONVECTION OVENS. RANGE AND CONVECTION OVEN SHALL BE PROVIDED AND INSTALLED BY OTHERS. VERIFY SIZES WITH EQUIPMENT SUPPLIED.
- 10) APPROXIMATE LOCATION OF AUTOMATIC GAS SHUT-OFF VALVE. VALVE PROVIDED BY FIRE SUPPRESSION SUPPLIER.
- 11) 1/2" CW AND 3/4" INDIRECT DRAIN TO COLD FOOD COUNTER. COLD FOOD COUNTER PROVIDED AND INSTALLED BY OTHERS. PLUMBING CONTRACTOR SHALL ROUGH IN AND MAKE FINAL CONNECTION. VERIFY SIZES WITH EQUIPMENT PROVIDED.
- 12) 1-1/2" INDIRECT DRAIN TO HOT FOOD COUNTER. HOT FOOD COUNTER PROVIDED AND INSTALLED BY OTHERS. PLUMBING CONTRACTOR SHALL ROUGH IN AND MAKE FINAL CONNECTION. VERIFY SIZES WITH EQUIPMENT PROVIDED.



NOTE:
FOR PIPE SIZES TO
INDIVIDUAL
FIXTURES, REFER TO
PLUMBING FIXTURE
SCHEDULE ON SHEET PE-501.

PLUMBING PLAN

A5
PE-101

ARCHITECT PROJECT # 0310



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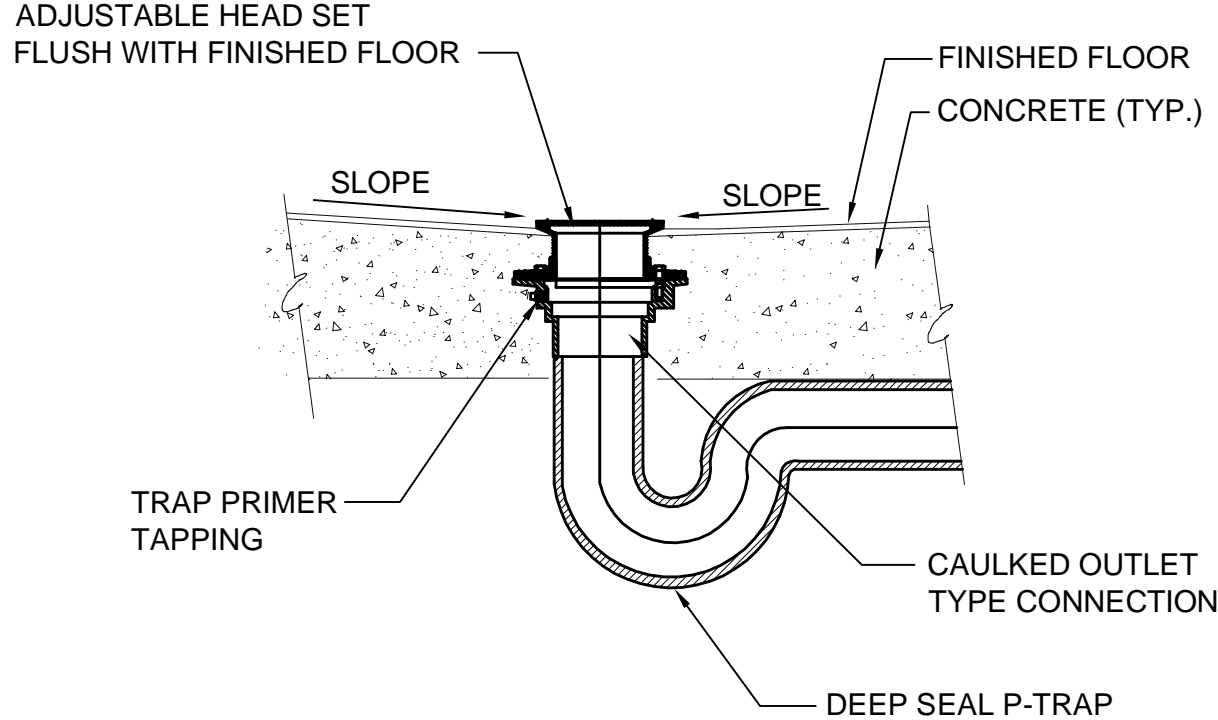
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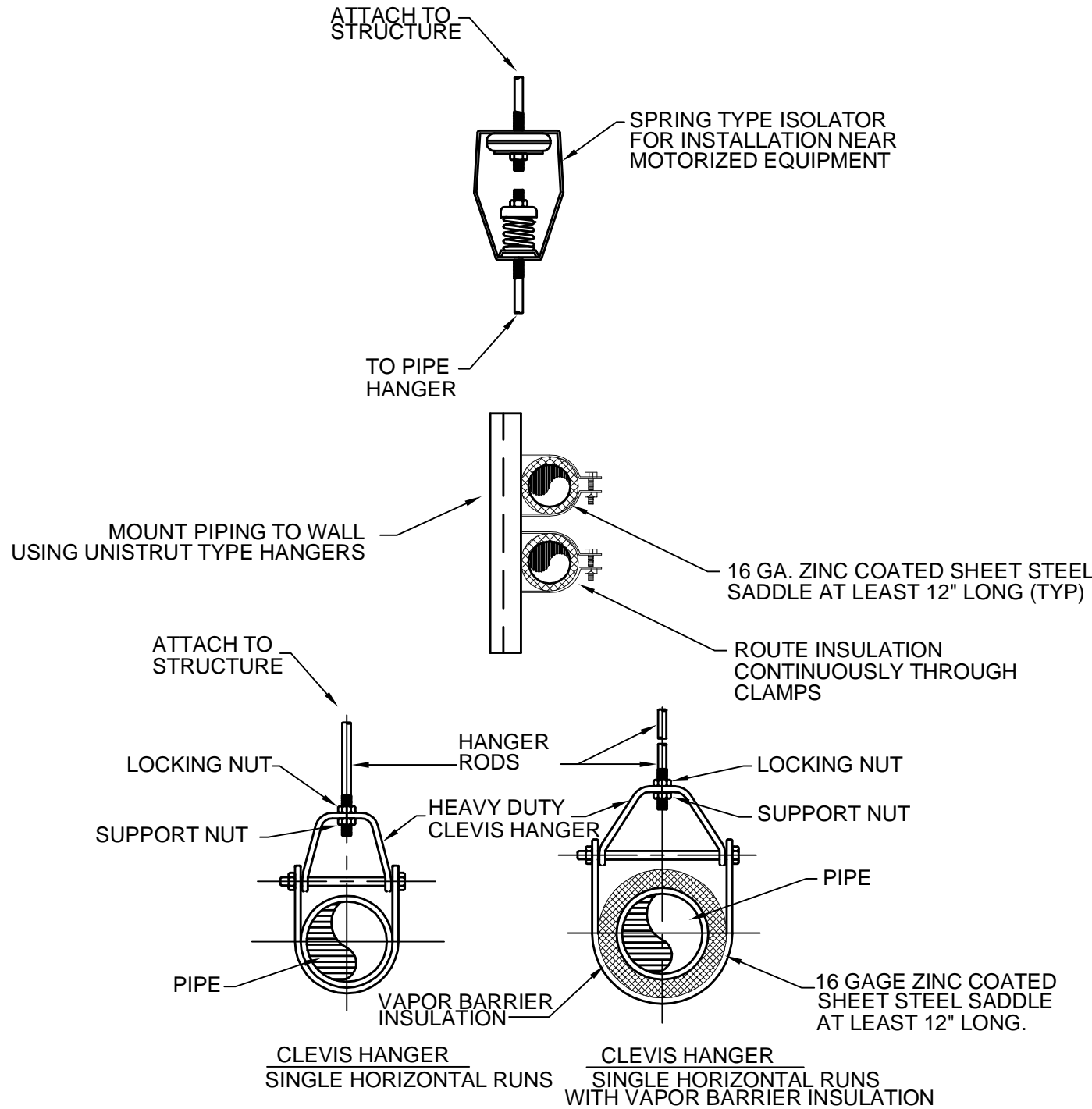
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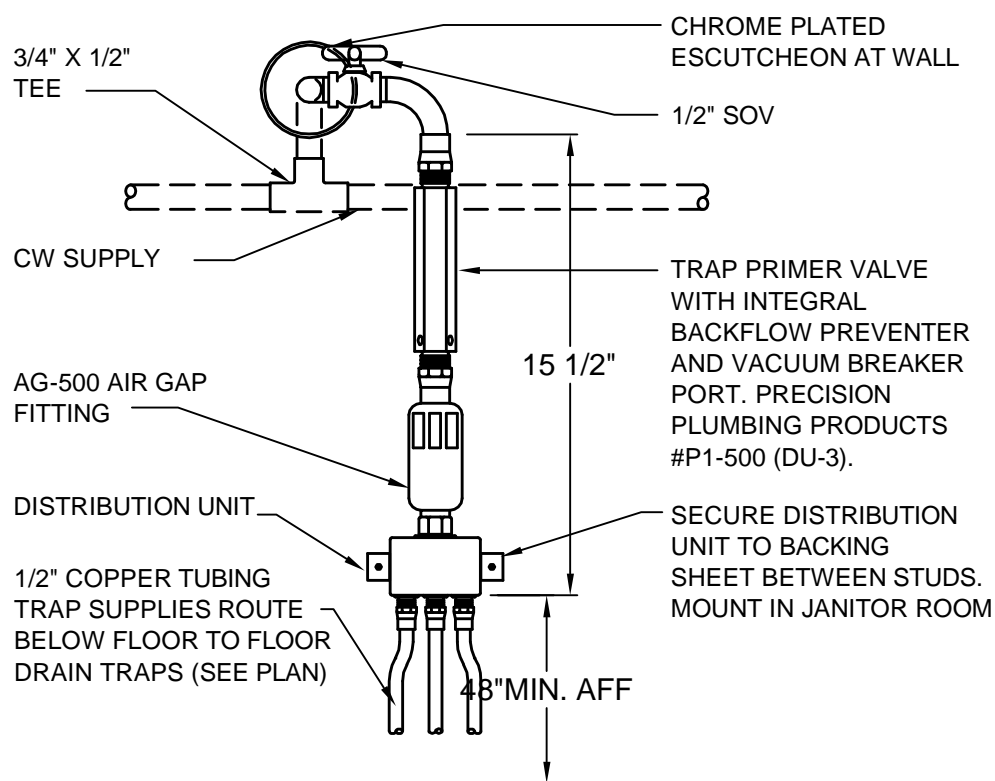
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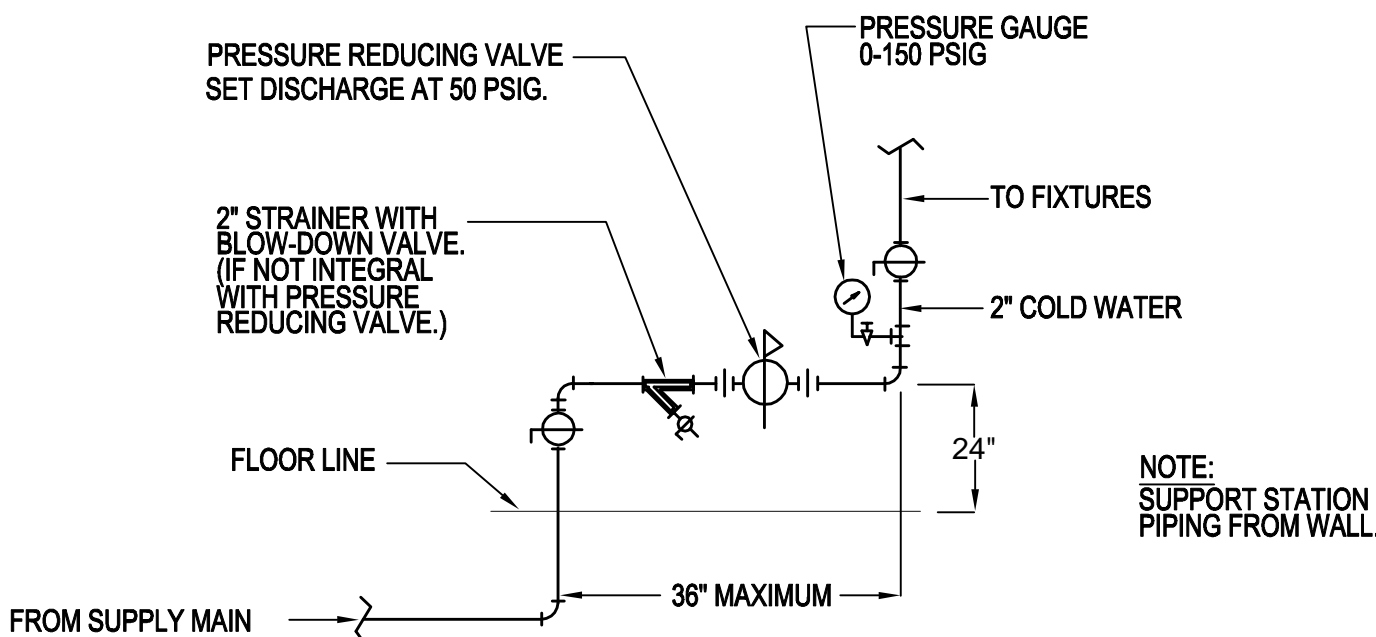
C1 FLOOR DRAIN DETAIL
SCALE: NONE



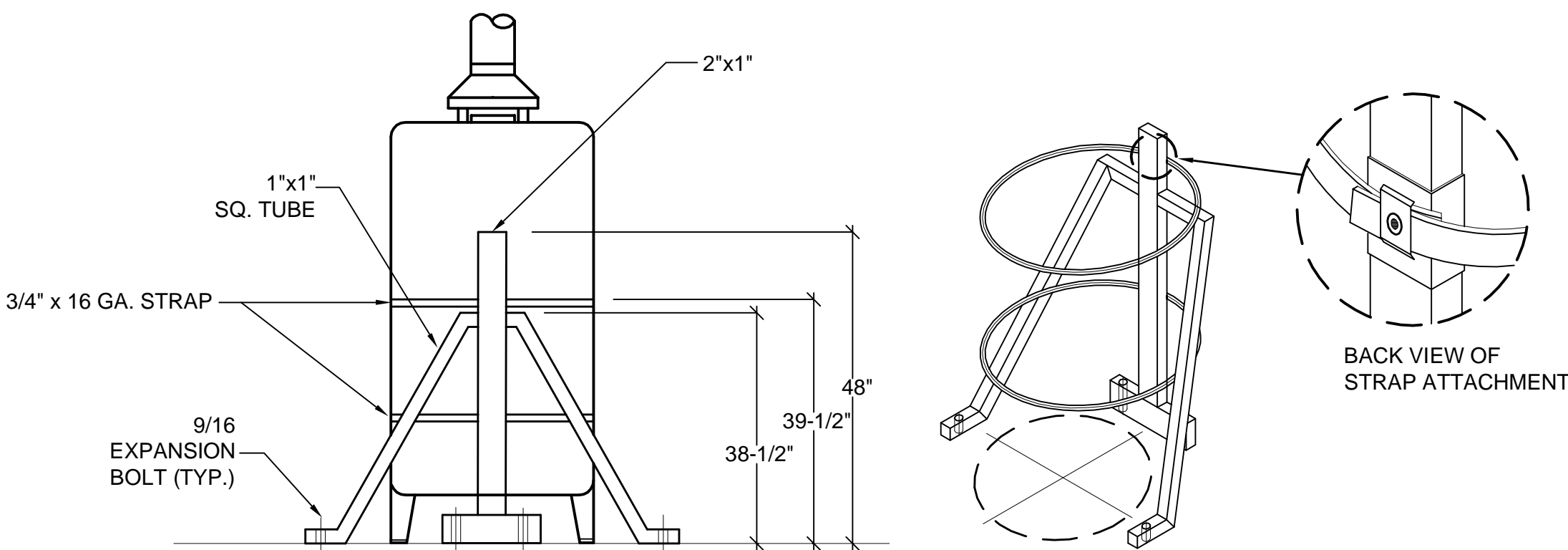
C2 PIPE HANGER DETAIL
NO SCALE



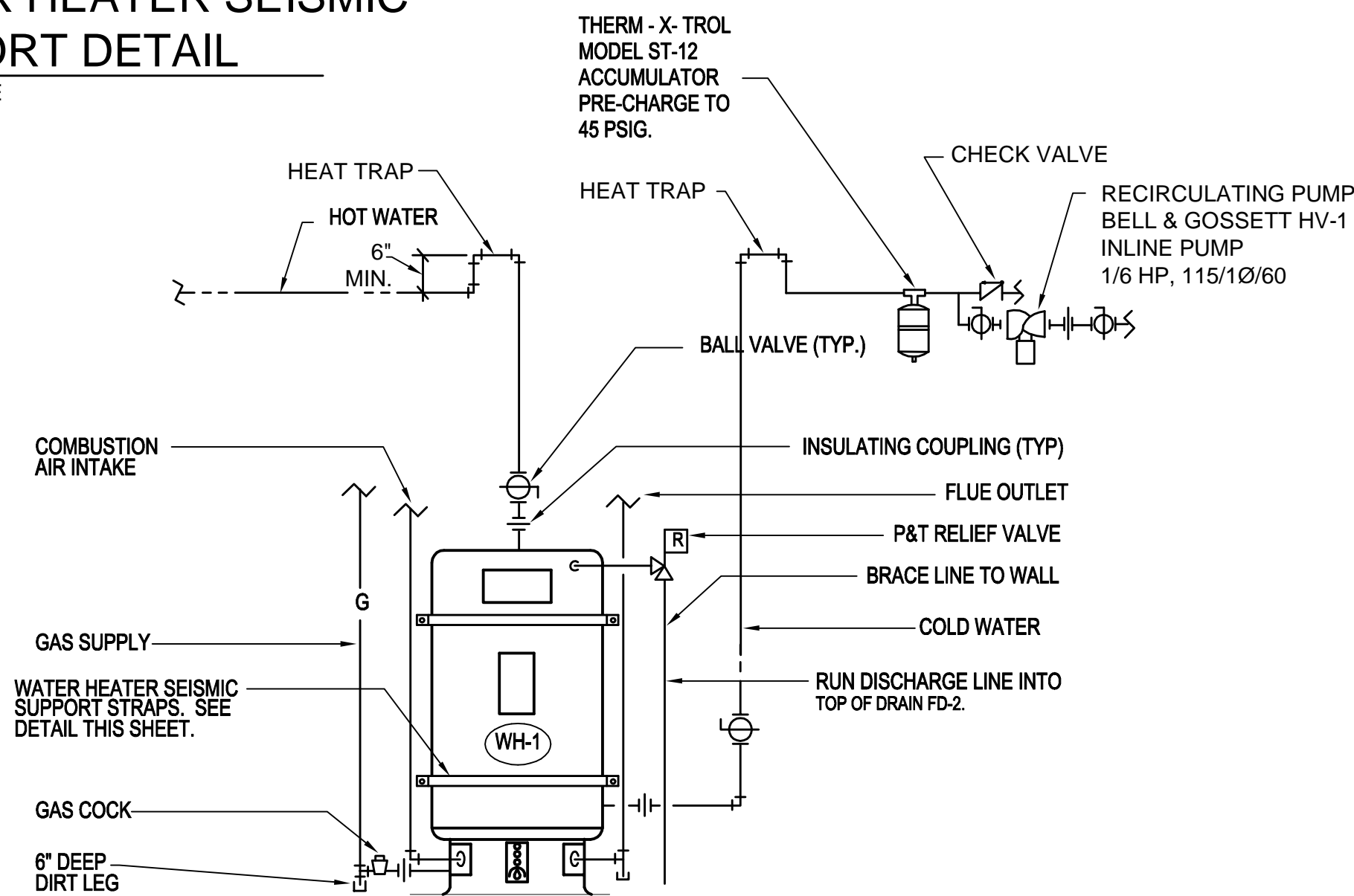
B1 TRAP PRIMER DETAIL
SCALE: NONE



A1 WATER PRESSURE REDUCING STATION DETAIL
SCALE: NONE

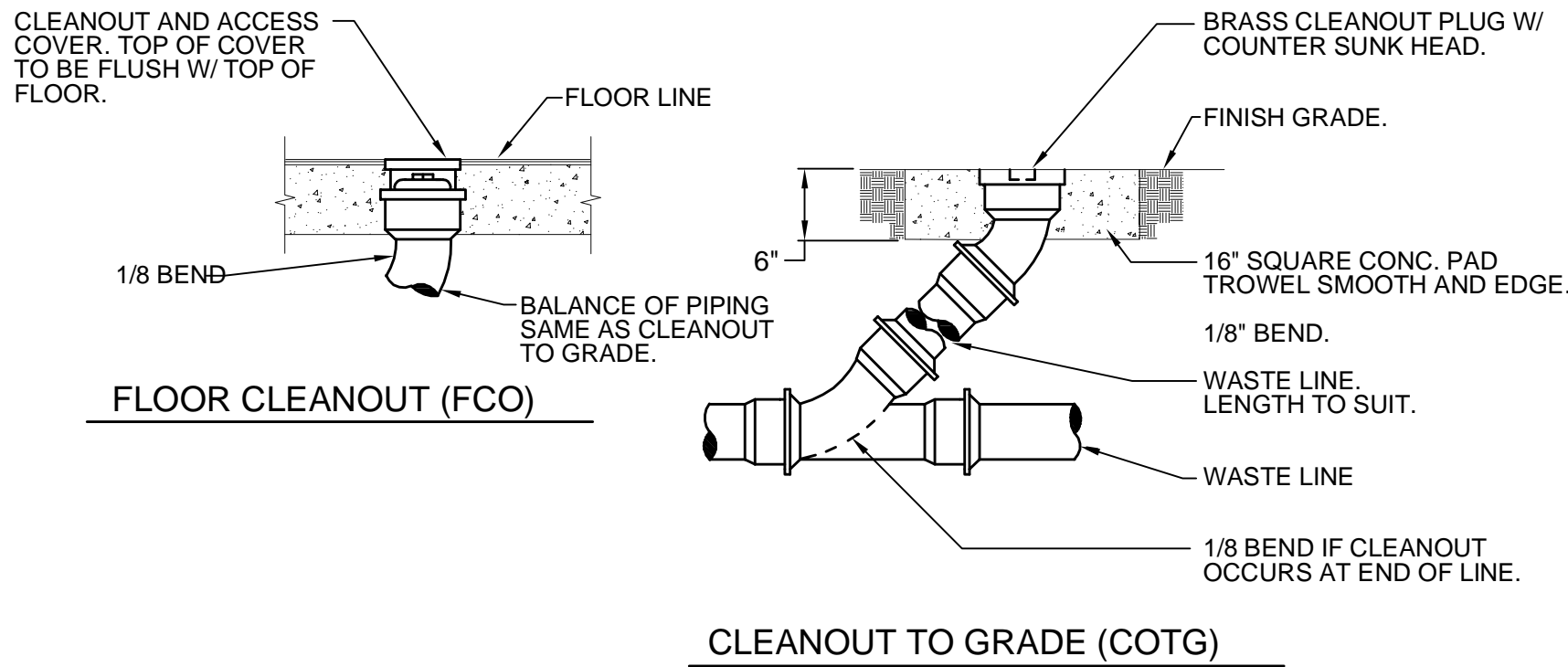


B2 WATER HEATER SEISMIC SUPPORT DETAIL
SCALE: NONE

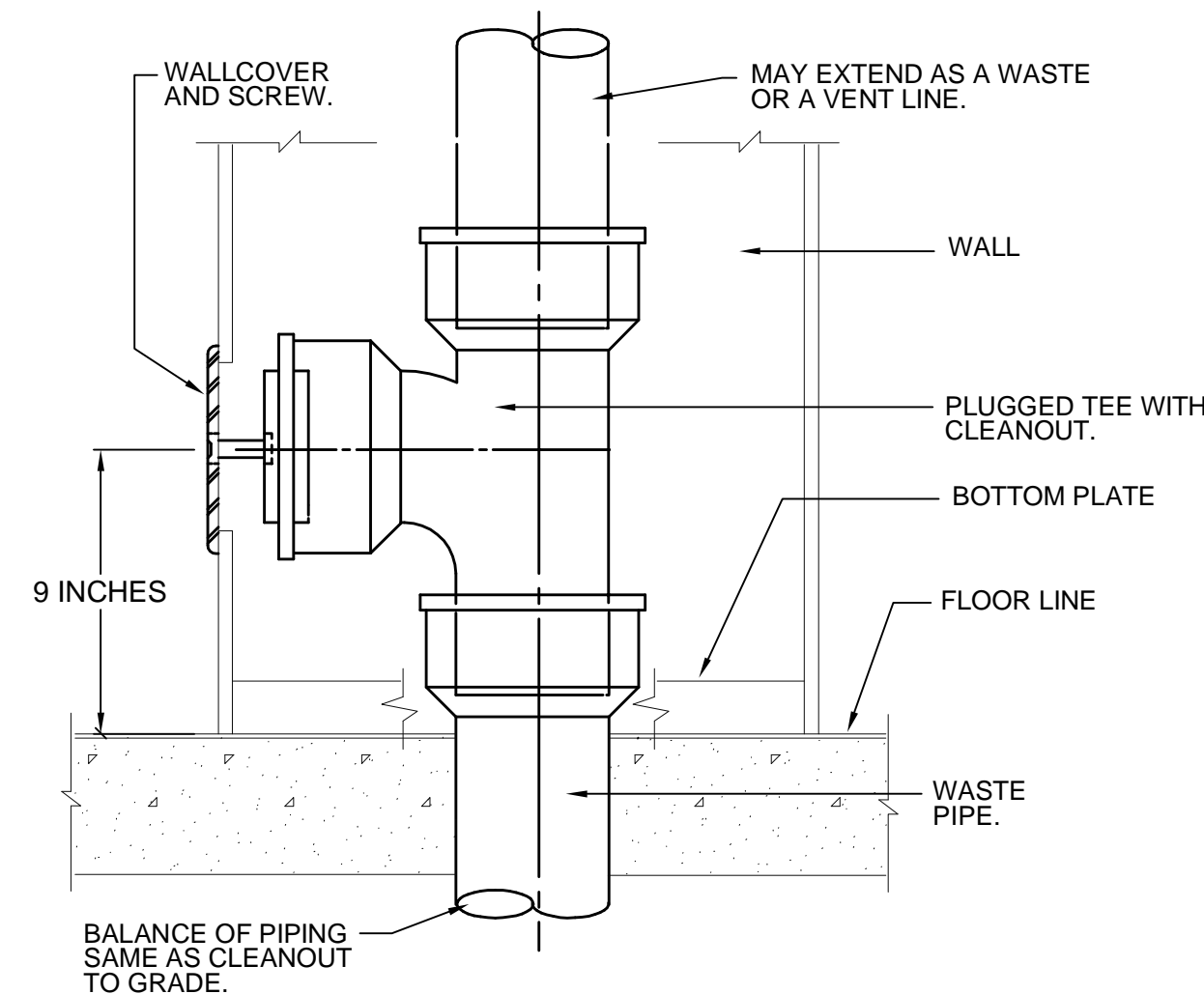


A3 WATER HEATER DETAIL
SCALE: NONE

MARK	FIXTURE	PIPE SIZE					REMARKS
		TRAP	WASTE	VENT	C.W.	H.W.	
WC-1	WATER CLOSET	INT.	4"	2"	1"	-	FLOOR MOUNTED, FLUSH VALVE, 18" RIM HEIGHT (ADA APPROVED)
U-1	URINAL	INT.	3"	2"	3/4"	-	FLUSH VALVE, WALL HUNG (ADA APPROVED)
L-1	LAVATORY	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER TOP (ADA APPROVED). PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE.
L-2	LAVATORY	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED (ADA APPROVED). PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE.
HS-1	HAND SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE.
HS-2	HAND SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED, STAINLESS STEEL. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE.
FD-1	FLOOR DRAIN	3"	3"	2"	-	-	PROVIDE WITH TRAP PRIMER.
FS-1	FLOOR SINK	3"	3"	2"	-	-	
HB-1	HOSE BIBB	-	-	-	1/2"	-	
S-1	SINK	2"	2"	2"	1/2"	1/2"	3 COMPARTMENT, STAINLESS STEEL
D-1	DISPOSER	-	-	-	-	-	2 HP, 208/3/60
SS-1	SERVICE SINK	3"	3"	2"	3/4"	3/4"	
WH-1	WATER HEATER	-	-	-	1-1/2"	1-1/2"	199,000 BTU INPUT, 100 GAL. CAPACITY, 227 GPH RECOVERY AT 100° TEMPERATURE RISE. 120V/1Ø/60., 7 AMPS. A.O.SMITH BTH-199



B4 CLEANOUT DETAILS
SCALE: NONE



A4 WALL CLEANOUT DETAIL
SCALE: NONE



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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

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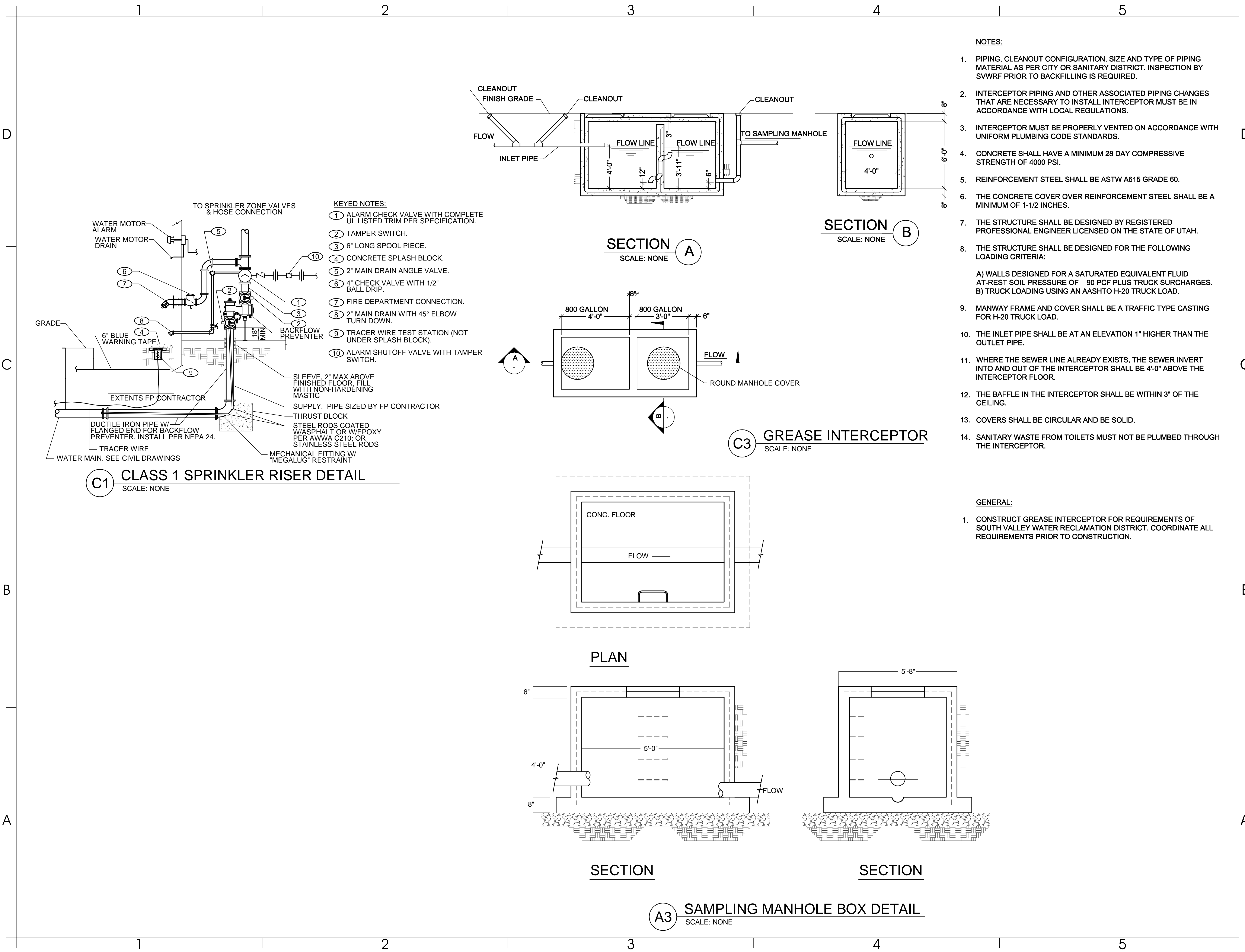
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- NOTES:**
1. PIPING, CLEANOUT CONFIGURATION, SIZE AND TYPE OF PIPING MATERIAL AS PER CITY OR SANITARY DISTRICT. INSPECTION BY SVWRF PRIOR TO BACKFILLING IS REQUIRED.
 2. INTERCEPTOR PIPING AND OTHER ASSOCIATED PIPING CHANGES THAT ARE NECESSARY TO INSTALL INTERCEPTOR MUST BE IN ACCORDANCE WITH LOCAL REGULATIONS.
 3. INTERCEPTOR MUST BE PROPERLY VENTED ON ACCORDANCE WITH UNIFORM PLUMBING CODE STANDARDS.
 4. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
 5. REINFORCEMENT STEEL SHALL BE ASTW A615 GRADE 60.
 6. THE CONCRETE COVER OVER REINFORCEMENT STEEL SHALL BE A MINIMUM OF 1-1/2 INCHES.
 7. THE STRUCTURE SHALL BE DESIGNED BY REGISTERED PROFESSIONAL ENGINEER LICENSED ON THE STATE OF UTAH.
 8. THE STRUCTURE SHALL BE DESIGNED FOR THE FOLLOWING LOADING CRITERIA:
A) WALLS DESIGNED FOR A SATURATED EQUIVALENT FLUID AT-REST SOIL PRESSURE OF 90 PCF PLUS TRUCK SURCHARGES.
B) TRUCK LOADING USING AN AASHTO H-20 TRUCK LOAD.
 9. MANWAY FRAME AND COVER SHALL BE A TRAFFIC TYPE CASTING FOR H-20 TRUCK LOAD.
 10. THE INLET PIPE SHALL BE AT AN ELEVATION 1" HIGHER THAN THE OUTLET PIPE.
 11. WHERE THE SEWER LINE ALREADY EXISTS, THE SEWER INVERT INTO AND OUT OF THE INTERCEPTOR SHALL BE 4'-0" ABOVE THE INTERCEPTOR FLOOR.
 12. THE BAFFLE IN THE INTERCEPTOR SHALL BE WITHIN 3" OF THE CEILING.
 13. COVERS SHALL BE CIRCULAR AND BE SOLID.
 14. SANITARY WASTE FROM TOILETS MUST NOT BE PLUMBED THROUGH THE INTERCEPTOR.

ARCHITECT PROJECT # 0310

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A

MECHANICAL LEGEND				
SYMBOL	ABR.	DESCRIPTION		
		EXISTING AIR DUCT TO BE REMOVED		EXISTING EQUIPMENT TO BE REMOVED
		EXISTING AIR DUCT TO REMAIN		EXISTING EQUIPMENT TO REMAIN
		NEW AIR DUCT		NEW EQUIPMENT
		RECT. TO RECT. AIR DUCT TAKE-OFF		FD FIRE DAMPER
		RECT. TO RND. AIR DUCT TAKE-OFF		TSTAT WALL MOUNTED THERMOSTAT
		RND. TO RND. AIR DUCT TAKE-OFF	SA	SUPPLY AIR
		FLEXIBLE AIR DUCT	RA	RETURN AIR
		LINED DUCT	EA	EXHAUST AIR
		VANED ELBOW		SECTION LETTER DESIGNATION
		RADIUS ELBOW		SECTION DRAWN ON THIS SHEET
		CONCENTRIC DUCT TRANSITION		DETAIL NUMBER DESIGNATION
		ECCENTRIC DUCT TRANSITION		
		FLEXIBLE DUCT CONNECTION		MECHANICAL EQUIPMENT DESIGNATION
		VOLUME DAMPER		EQUIPMENT ITEM DESIGNATION
		SUPPLY AIR DIFFUSER		REVISION DESIGNATOR AND NUMBER
		RETURN AIR, FRESH AIR, AND TRANSFER AIR		KEY NOTE DESIGNATOR AND NUMBER
		CEILING MOUNTED EXHAUST FAN OR EXHAUST GRILLE		POC POINT OF CONNECTION
		RETURN OR OUTSIDE AIR DUCT UP	GC	GENERAL CONTRACTOR
		SUPPLY DUCT UP	MC	MECHANICAL CONTRACTOR
		EXHAUST AIR INTAKE UP	NIC	NOT IN CONTRACT
		RETURN OR OUTSIDE AIR DUCT DOWN		
		SUPPLY DUCT DOWN		
		EXHAUST DUCT DOWN		
		ROUND DUCT UP		
		ROUND DUCT DOWN		

GENERAL NOTES:

- G-1

MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING DRAWINGS BY OTHER DISCIPLINES AND SPECIFICATIONS.
- A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.
- B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.
- C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.
- D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.
- E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.
- G-2

ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.
- G-3

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.
- G-4

THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.
- G-5

THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.
- G-6

MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.
- G-7

SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.
- G-8

PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.
- G-9

SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.
- G-10

PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.
- G-11

THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.
- G-12

THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.
- G-13

C.F.M. LISTED IS ACTUAL AIR.
- G-14

SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.
- G-15

CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.
- G-16

ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2006 EDITION OF THE IMC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.
- G-17

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND RE-FILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN RE-FILLING THE SYSTEM.
- G-18

ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

ARCHITECT PROJECT # 0310



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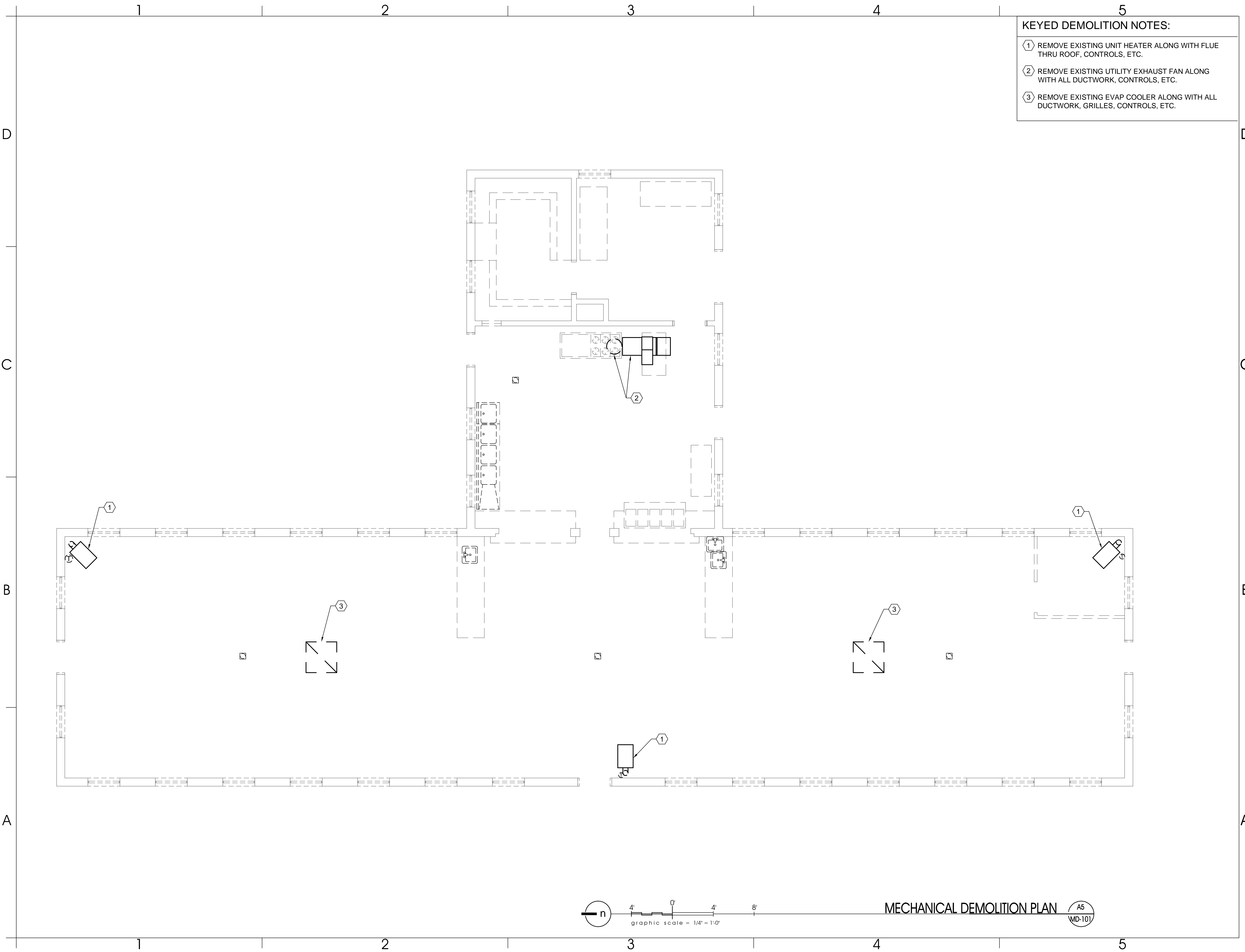
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KEYED DEMOLITION NOTES:

- 1 REMOVE EXISTING UNIT HEATER ALONG WITH FLUE THRU ROOF, CONTROLS, ETC.
- 2 REMOVE EXISTING UTILITY EXHAUST FAN ALONG WITH ALL DUCTWORK, CONTROLS, ETC.
- 3 REMOVE EXISTING EVAP COOLER ALONG WITH ALL DUCTWORK, GRILLES, CONTROLS, ETC.

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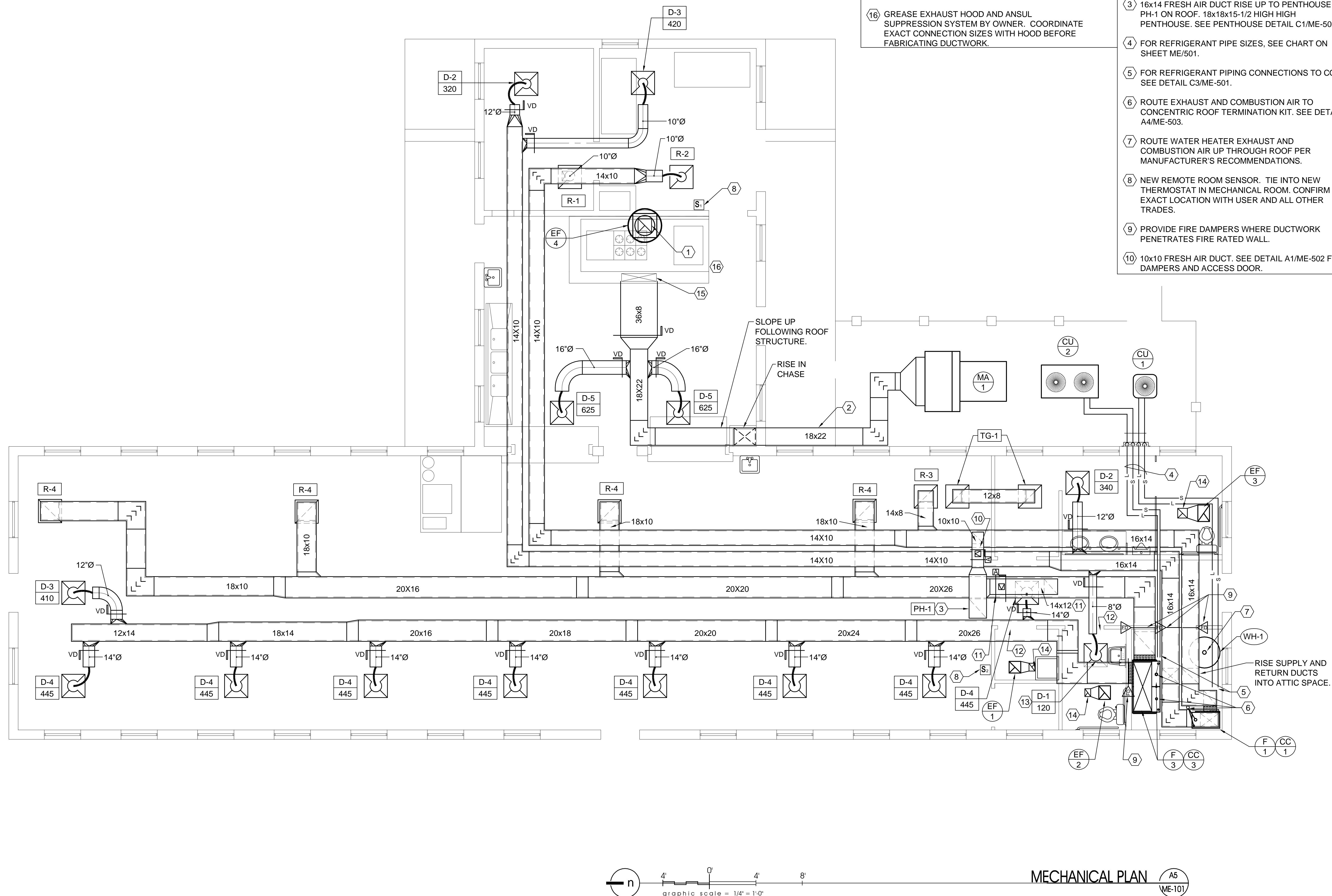
SHEET NUMBER:

D

C

B

A



KEYED NOTES:

- 11 14x12 FRESH AIR DUCT. SEE DETAIL A1/ME-502 FOR DAMPERS AND ACCESS DOOR.
- 12 UNDERCUT DOOR 1".
- 13 PROVIDE REDUCER AT THROAT OF DIFFUSER.
- 14 RISE UP TO CAP ON ROOF.
- 15 CONNECT 36x8 MAKE-UP AIR DUCT TO SUPPLY PLENUM AT HOOD.
- 16 GREASE EXHAUST HOOD AND ANSUL SUPPRESSION SYSTEM BY OWNER. COORDINATE EXACT CONNECTION SIZES WITH HOOD BEFORE FABRICATING DUCTWORK.

KEYED NOTES:

- 1 TRANSITION AT FAN. CONNECT TO HOOD OUTLET, AND FAN INLET. RISE UP 24x10 DUCT TO EXHAUST FAN EF-4 ON ROOF. SEE DETAIL C4/ME-503. DUCT SHALL BE WRAPPED WITH CERAMIC FIBER DUCT WRAP. SEE SPECIFICATIONS.
- 2 WHERE DUCT WORK IS EXPOSED OUTSIDE, PROVIDE WITH INSULATION OF A MINIMUM R-8 AND PROVIDE A 0.020" THICK ALUMINUM JACKET. SEAL JACKET WATER TIGHT.
- 3 16x14 FRESH AIR DUCT RISE UP TO PENTHOUSE PH-1 ON ROOF. 18x18x15-1/2 HIGH HIGH PENTHOUSE. SEE PENTHOUSE DETAIL C1/ME-502.
- 4 FOR REFRIGERANT PIPE SIZES, SEE CHART ON SHEET ME/501.
- 5 FOR REFRIGERANT PIPING CONNECTIONS TO COIL, SEE DETAIL C3/ME-501.
- 6 ROUTE EXHAUST AND COMBUSTION AIR TO CONCENTRIC ROOF TERMINATION KIT. SEE DETAIL A4/ME-503.
- 7 ROUTE WATER HEATER EXHAUST AND COMBUSTION AIR UP THROUGH ROOF PER MANUFACTURER'S RECOMMENDATIONS.
- 8 NEW REMOTE ROOM SENSOR. TIE INTO NEW THERMOSTAT IN MECHANICAL ROOM. CONFIRM EXACT LOCATION WITH USER AND ALL OTHER TRADES.
- 9 PROVIDE FIRE DAMPERS WHERE DUCTWORK PENETRATES FIRE RATED WALL.
- 10 10x10 FRESH AIR DUCT. SEE DETAIL A1/ME-502 FOR DAMPERS AND ACCESS DOOR.

ARCHITECT PROJECT # 0310



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PROJECT DESCRIPTION

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Department of Administrative Services

Division of Facilities
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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

SHEET NAME:

MECHANICAL
PLAN

REVISIONS

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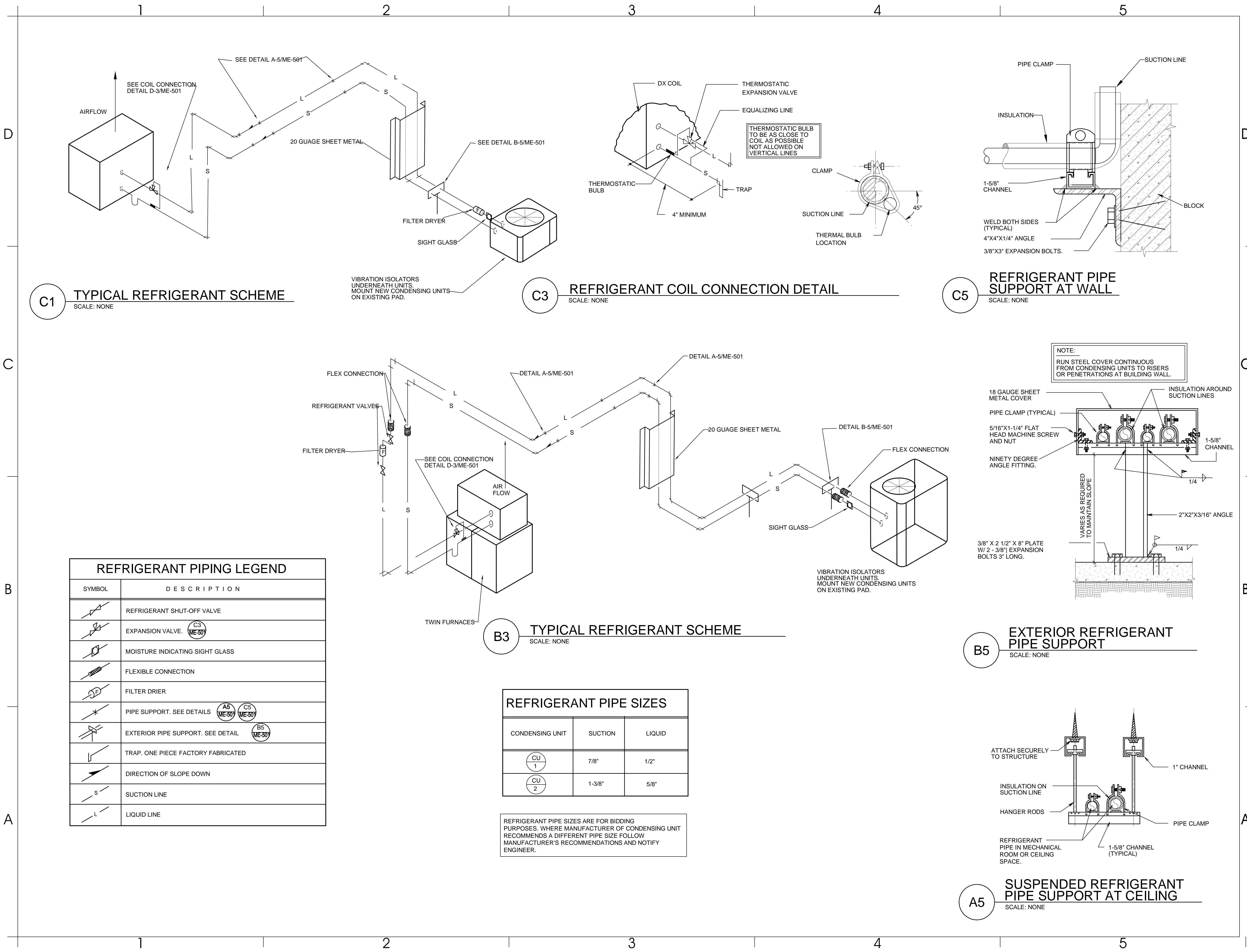
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ME-101

SHEET 24 OF 35



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ME-501

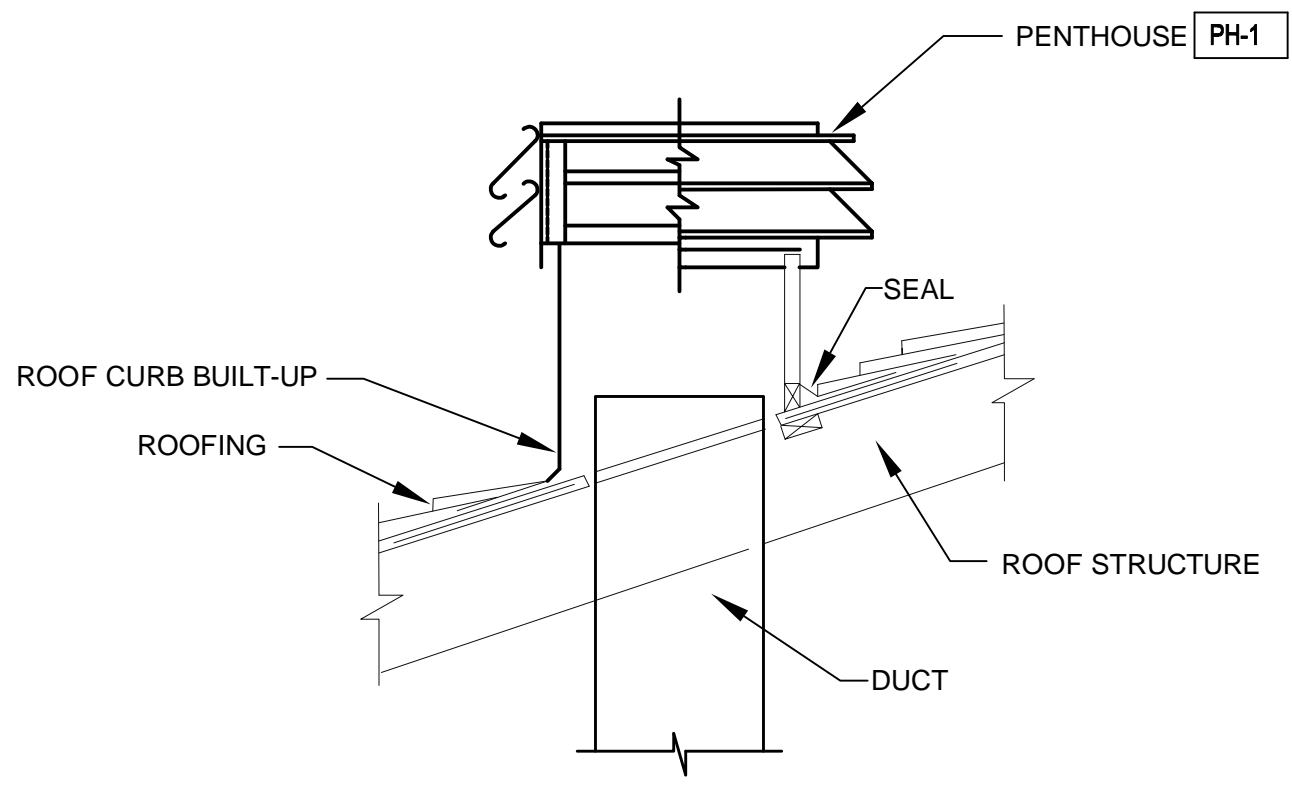
SHEET 25 OF 35

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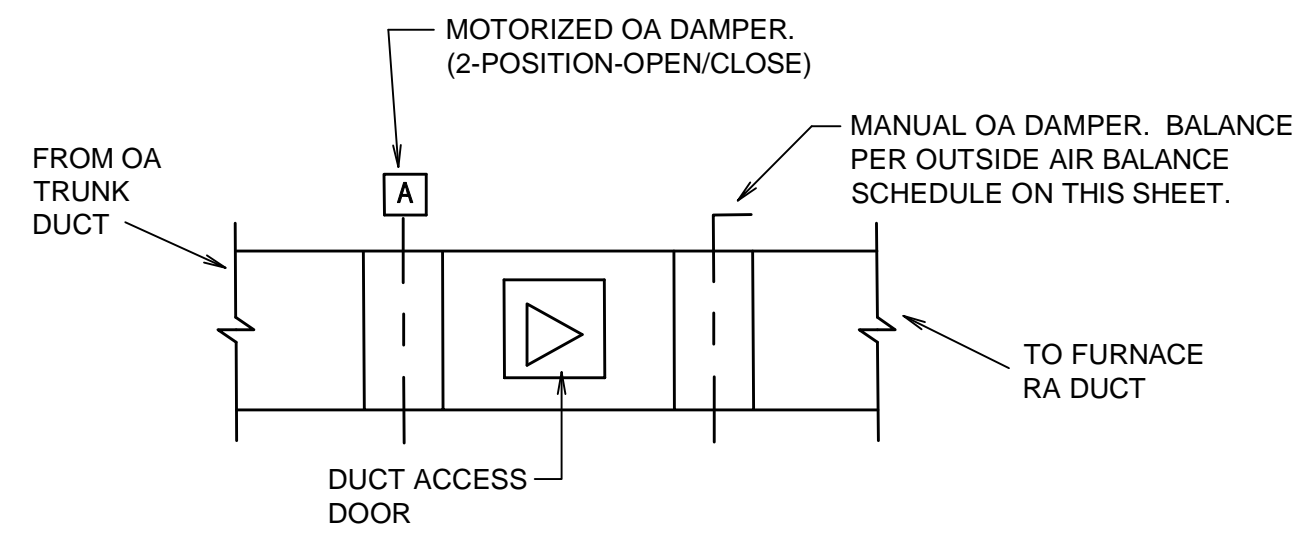
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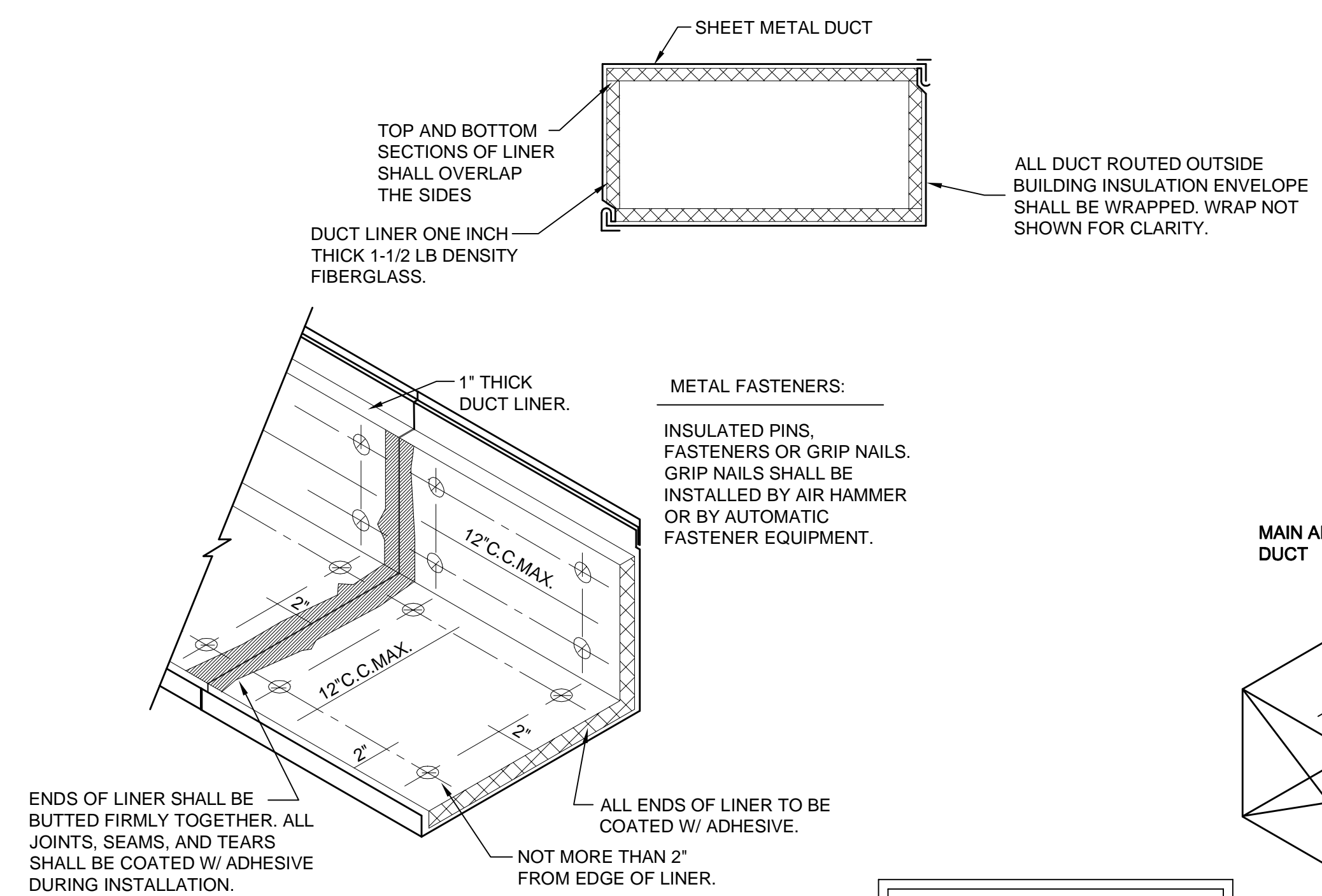


C1 PENTHOUSE DETAIL
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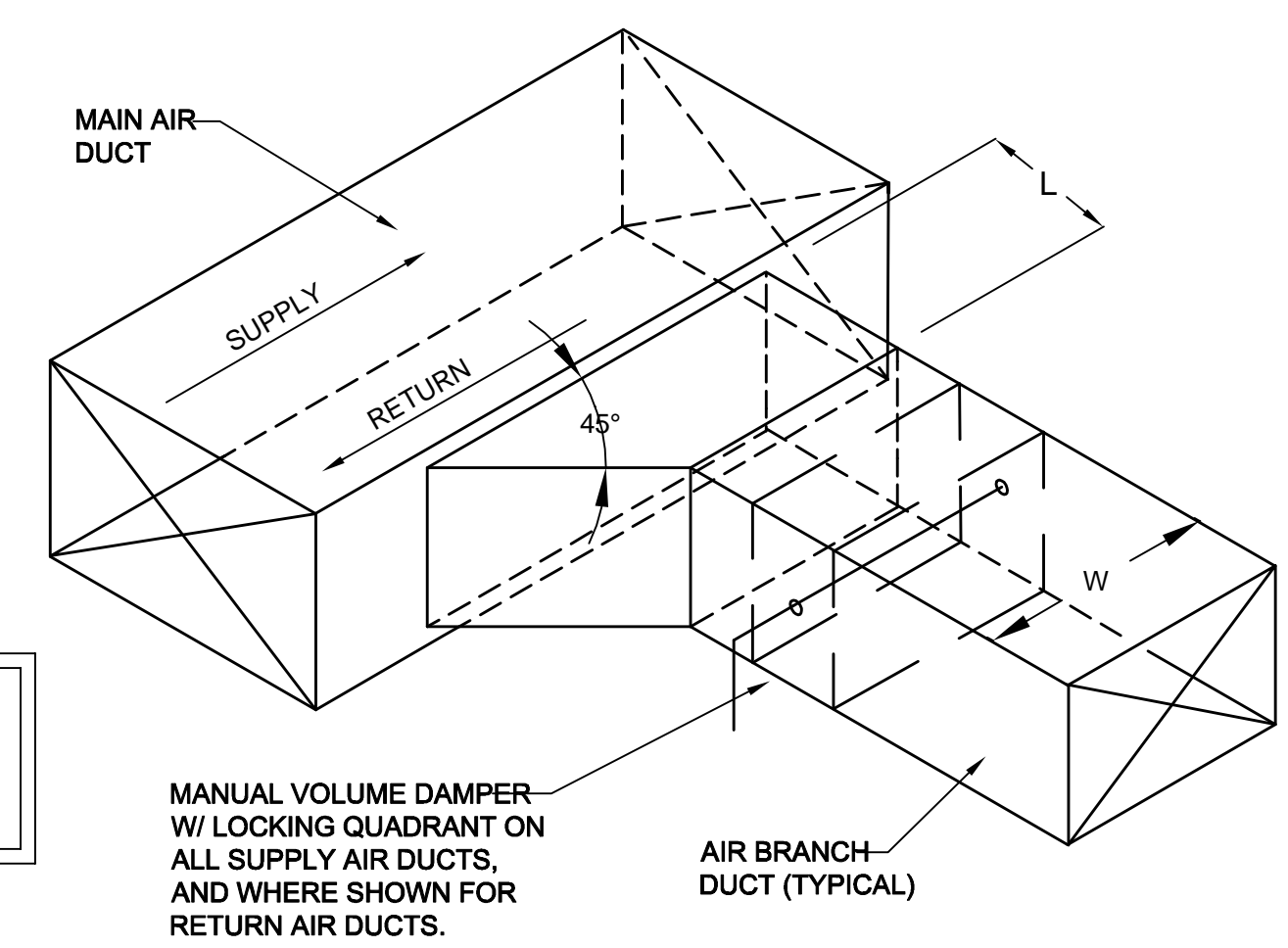
OUTSIDE AIR BALANCE	
F-1	300
F-2 (TWIN)	900



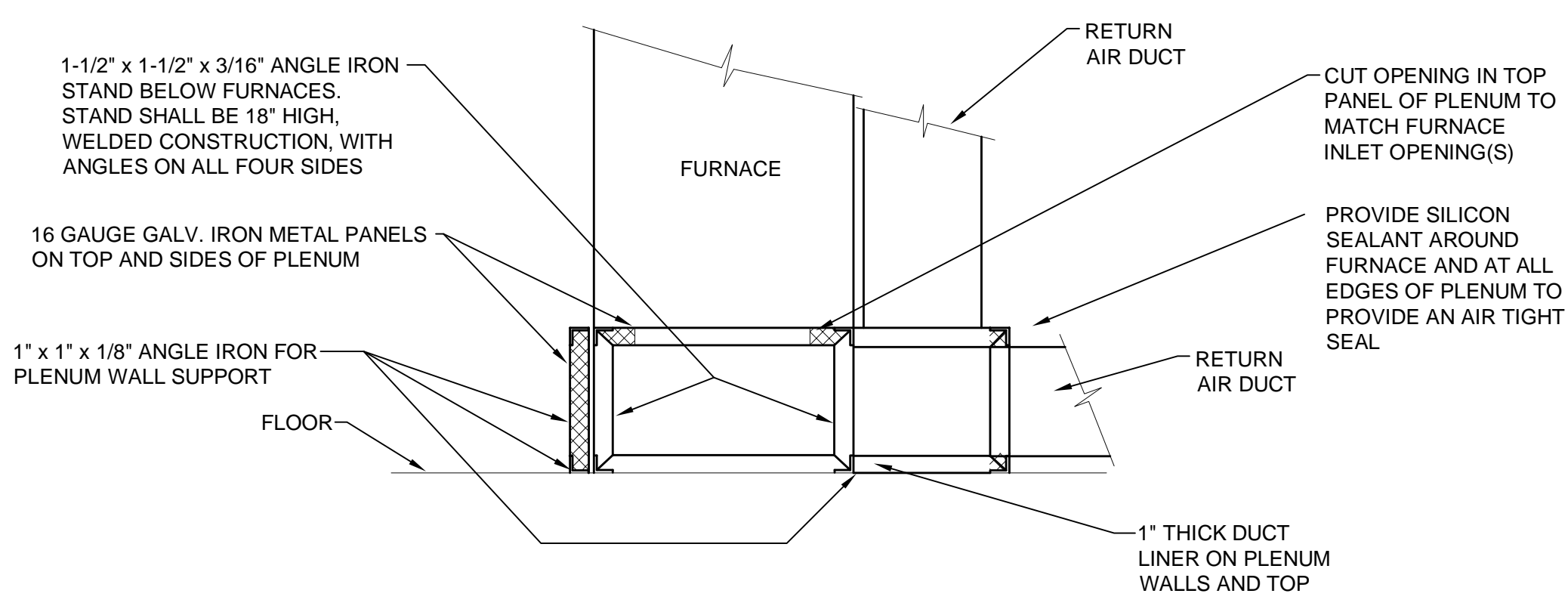
A1 TYPICAL OUTSIDE AIR DUCT DETAIL
SCALE: NONE



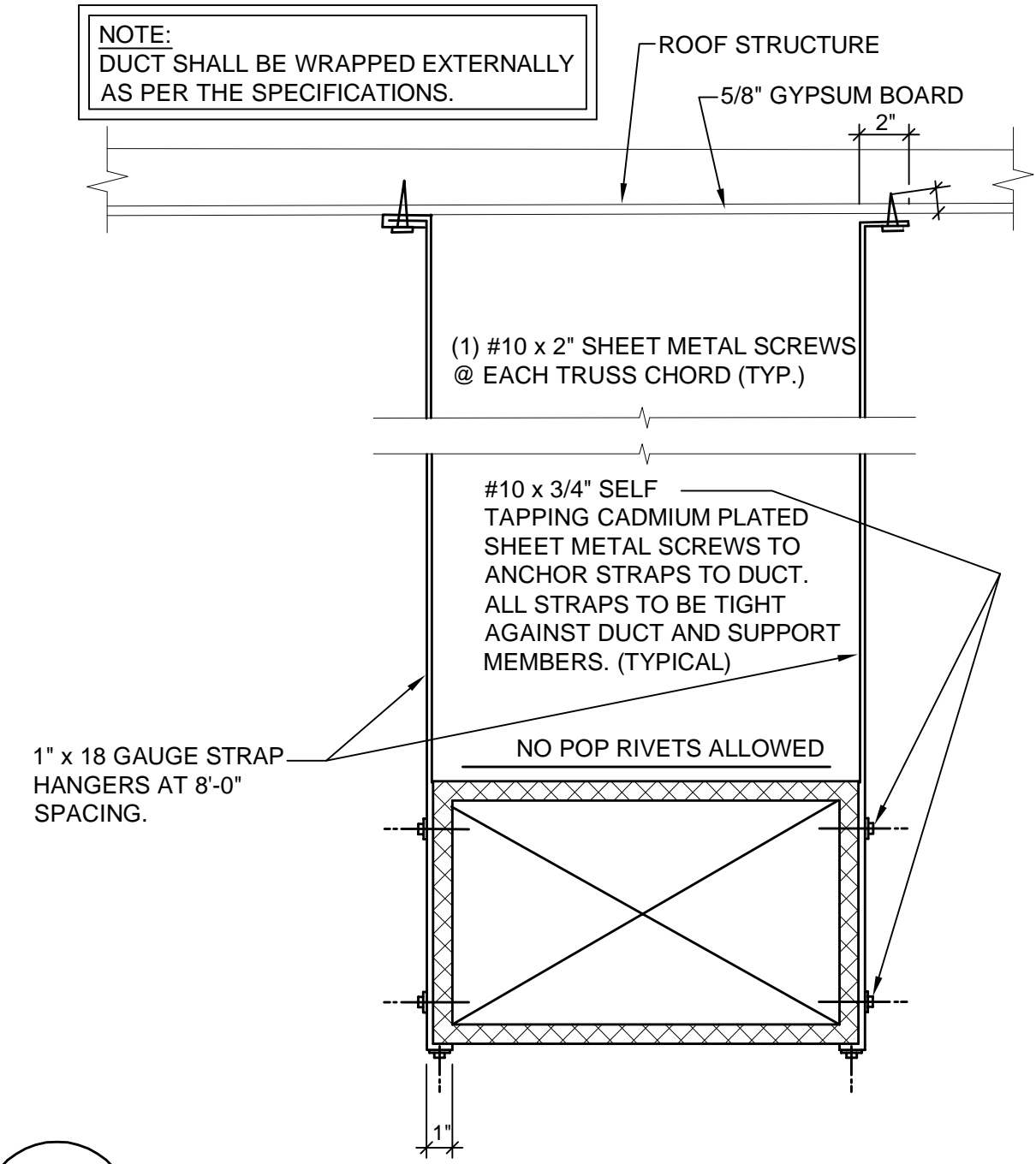
C3 DUCT LINER DETAIL
SCALE: NONE



C4 BRANCH DUCT TAKE-OFF & DAMPER DETAIL
SCALE: NONE



A3 FURNACE PLENUM CONSTRUCTION DETAIL
SCALE: NONE



A4 DUCT STRAP HANGER DETAIL
SCALE: NONE



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CAMP WILLIAMS BUILDINGS
5080 AND 5100

SHEET NAME:

B MECHANICAL DETAILS

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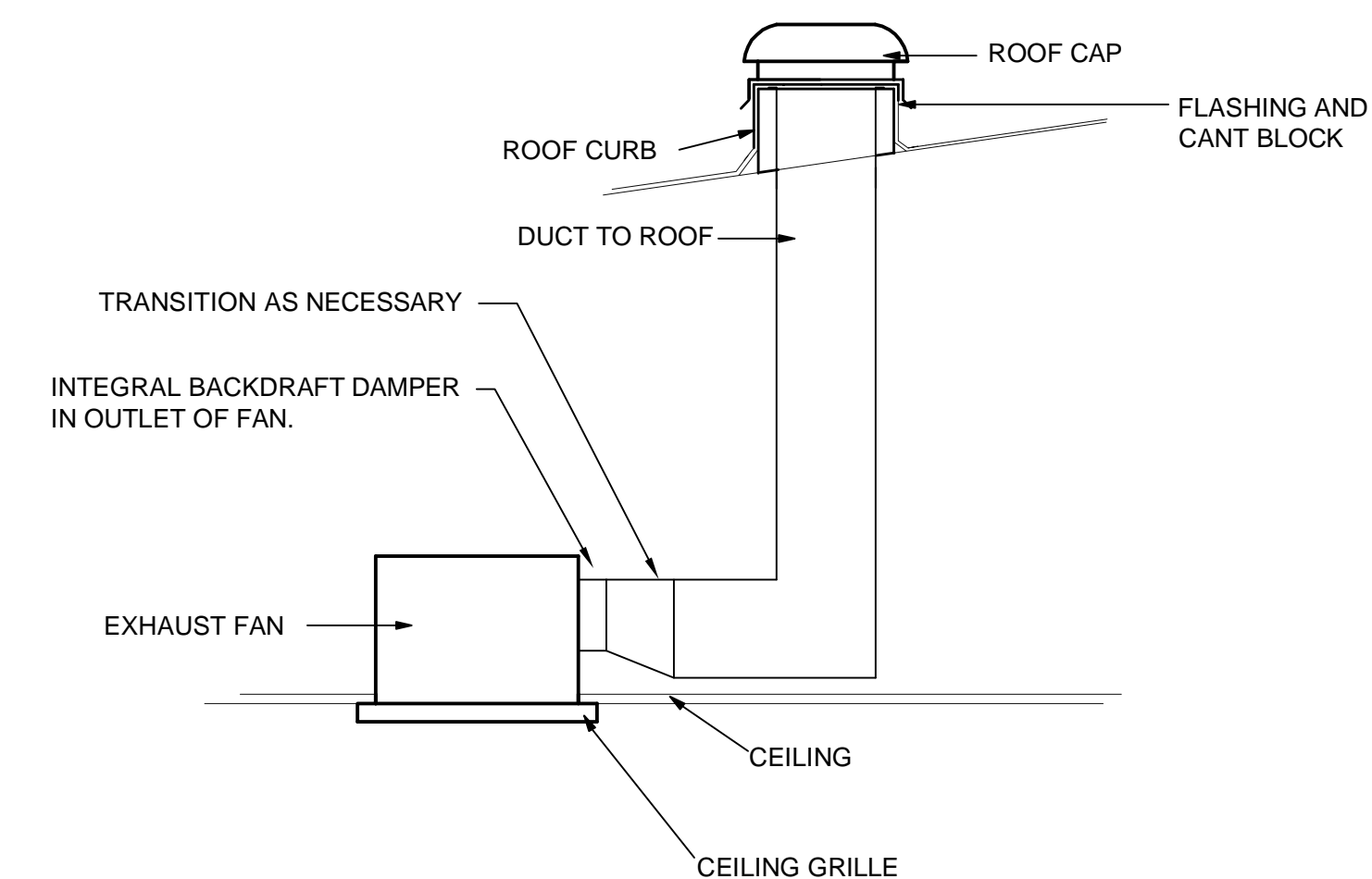
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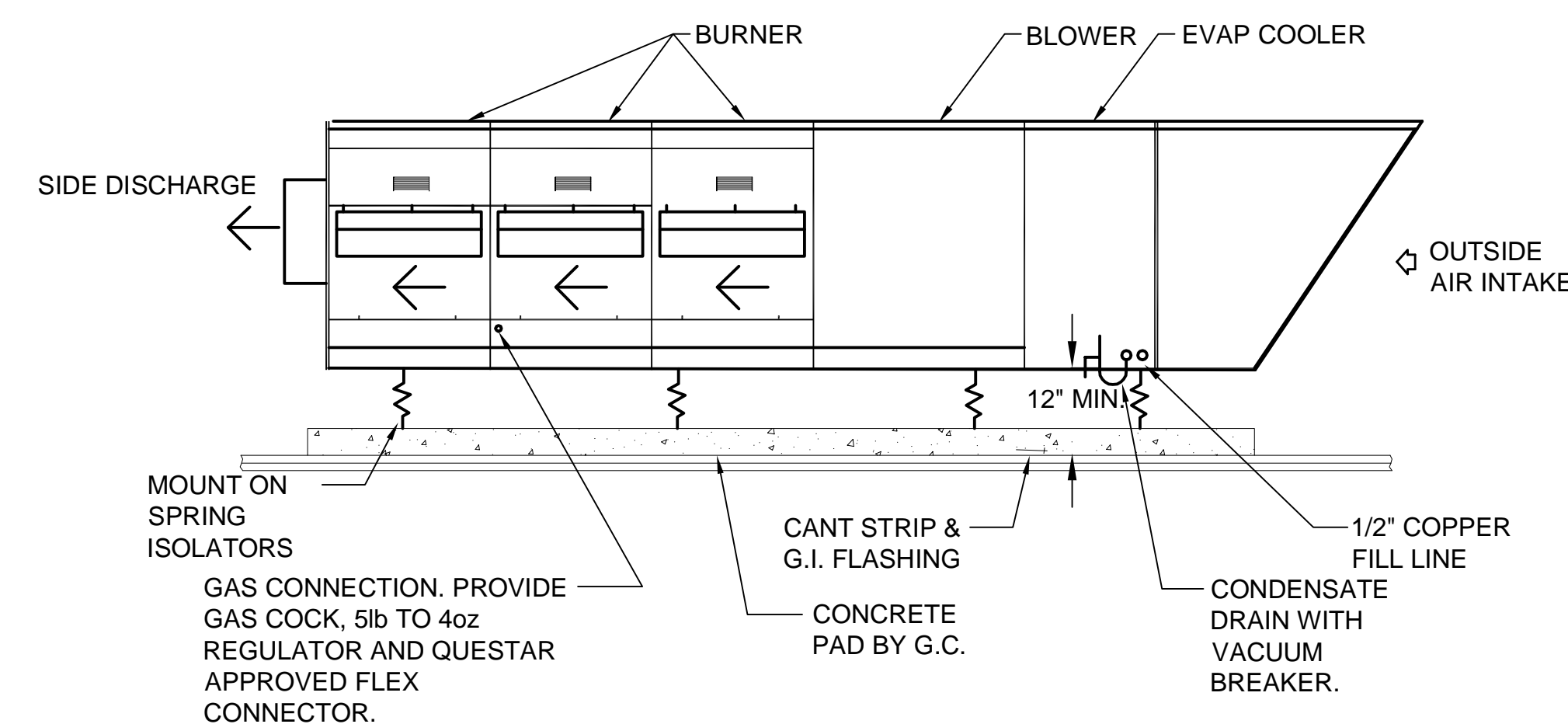
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NOTE:

BACKDRAFT DAMPER MAY
BE IN ROOF CAP FOR
SINGLE FAN INSTALLATION
ONLY



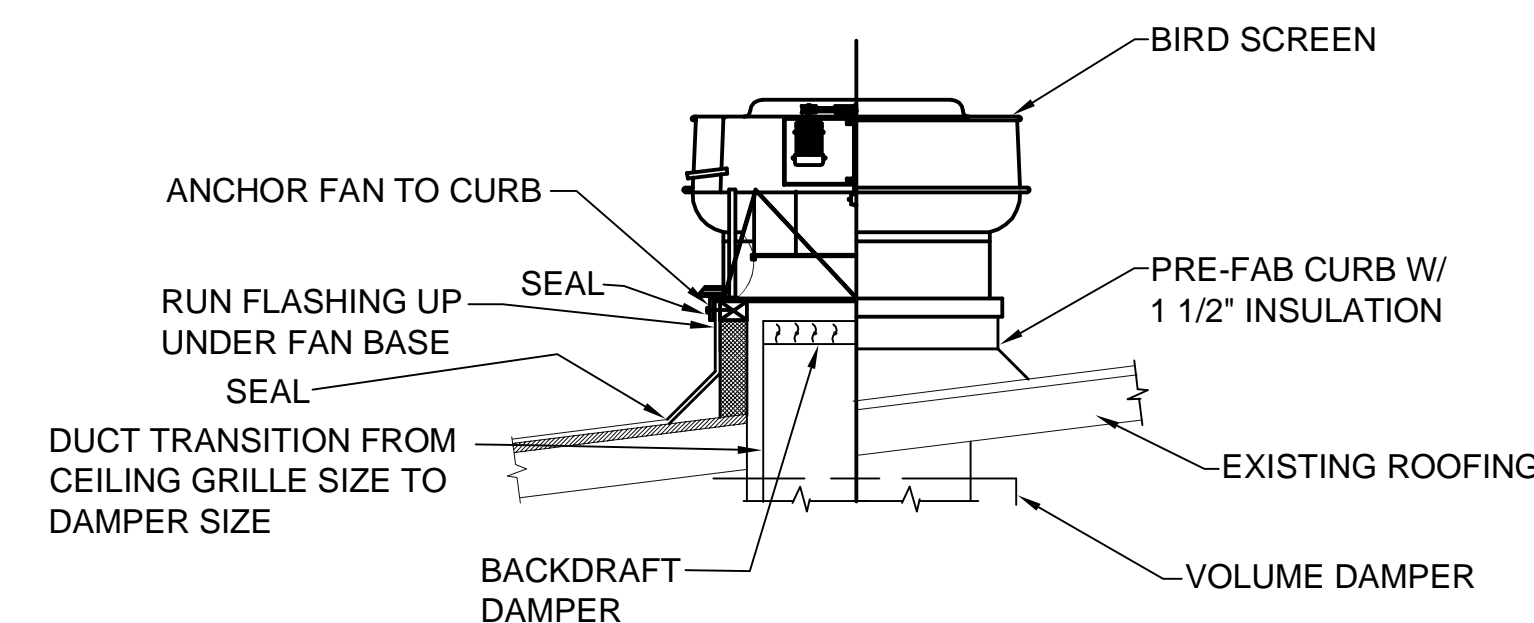
C2 CEILING EXHAUST FAN DETAIL
SCALE: NONE



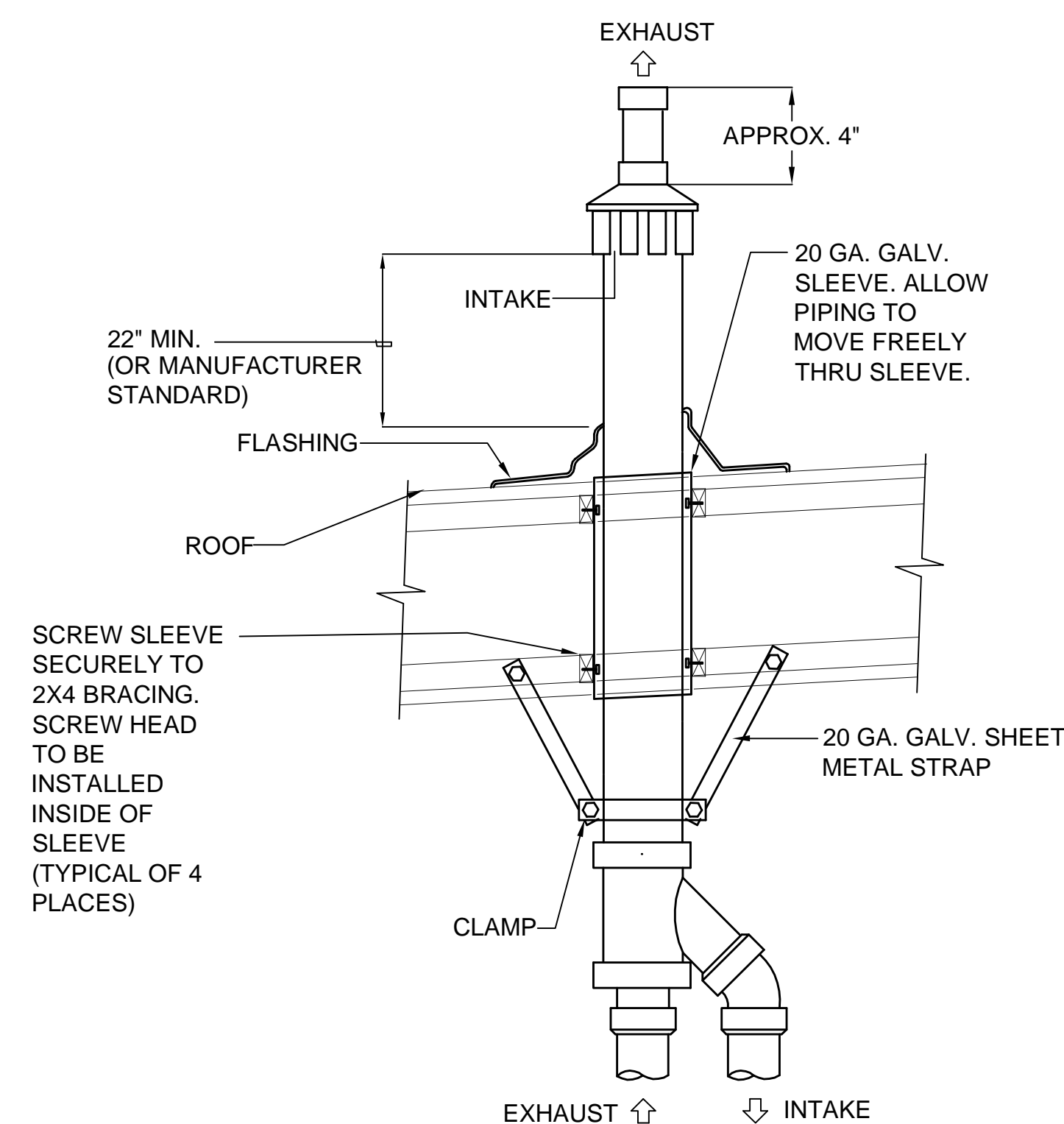
MAKE-UP AIR UNIT WITH EVAPORATIVE COOLING MOUNTED TO CONCRETE DETAIL

A2

SCALE: NONE

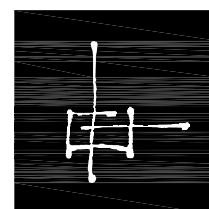


C4 ROOF MOUNTED EXHAUST FAN DETAIL
SCALE: NONE



A4 CONCENTRIC ROOF TERMINATION DETAIL
SCALE: NONE

ARCHITECT	PROJECT # 0310
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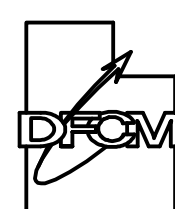
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CAMP WILLIAMS
BUILDINGS
5080 AND 5100

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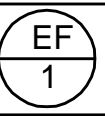


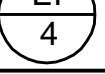
SHEET 27 OF 35

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C

B

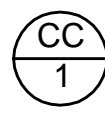
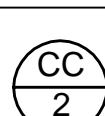
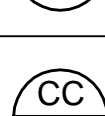
A

EXHAUST FAN SCHEDULE						
SYMBOL	SERVES	MIN. S.C.F.M.	STATIC PRESSURE IN. W.G.	MOTOR ^①	WEIGHT LBS.	COMMENTS ^②
				V/Ø/Hz		
	JANITOR	50	0.25	35 WATTS 115/1Ø/60	13	COOK GC-120
	WOMENS RESTROOM 115	140	0.25	90 WATTS 115/1Ø/60	17	COOK GC-160
	MENS RESTROOM 117	350	0.25	184 WATTS 115/1Ø/60	35	COOK GC-620
	KITCHEN GREASE HOOD	2500	1.25	1 HP 208/3Ø/60	123	COOK 180-VCR-HP ^{②③}

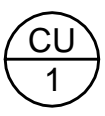

- NOTES:
- ① VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS. MOTOR NAME PLATE VOLTAGE SHALL BE NEMA STANDARD 200 VOLT, FOR 208 VOLT, THREE PHASE SYSTEM AND SHALL BE NEMA STANDARD 230 VOLT FOR 240 VOLT THREE PHASE OR SINGLE PHASE SYSTEM. STARTER HEATERS INSTALLED SHALL BE COORDINATED WITH THE NAME PLATE DATA.
- ② SEE SPECIFICATIONS FOR CONTROLS.
- ③ INTERLOCK WITH MAKE-UP AIR UNIT MA-1.

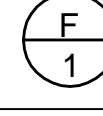
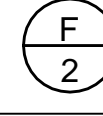
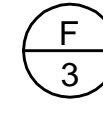
MAKE-UP AIR UNIT SCHEDULE										①②③
SYMBOL	OUTPUT MBH	CFM	F.S.P. IN. W.C.	ENT. AIR TEMP.	AIR TEMP. RISE	MOTOR				MANUFACTURER & MODEL NUMBER
						VOLT	Hz	Ø	HP	
<div>MA 1</div>	240	2500	0.75	0	77	208	60	3	1.5	ARES MODEL 300

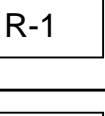
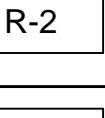
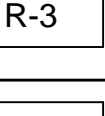
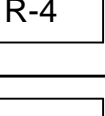
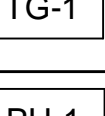
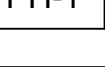
- ① CONDITIONS AT SEA LEVEL
- ② WITH EVAPORATIVE COOLING
- ③ INTERLOCK WITH EXHAUST FAN EF-4.

COOLING COIL SCHEDULE							
SYMBOL	MIN. REQUIRED CAPACITY		COND. ENT. EVAP.		CFM	MODEL #	SCHEDULE NOTES
	TOT. MBH	SEN. MBH	DB °F	WB °F			
	42	32	95	65	1200	CK5A036	1,2,3
	63	49	95	65	1995	CNRVP6024	1,2,3
	63	49	95	65	1995	CNRVP6024	1,2,3
1. COMPLETE WITH FACTORY COIL BOX AND COIL. 2. MANUFACTURER NUMBER LISTED ARE CARRIER. 3. CAPACITIES SHOWN ARE FOR SINGLE COILS.							

DIFFUSER SCHEDULE ②③									
SYMBOL	MAX CFM ^①	NECK SIZE	NOMINAL SIZE	CEILING MODULE	BLOW	PATTERN	AIR DIST./SIDE		COMMENTS ⑥
							A (%)	B (%)	
<div><div>D-1</div><div>CFM</div></div>	120	6"Ø	9x9	LAY-IN ⑦	4-WAY	<div><div><div>↖</div><div>↗</div><div>↘</div><div>↙</div></div><div><div>A</div><div>B</div></div></div>	25	25	TITUS TDC ⑧
<div><div>D-2</div><div>CFM</div></div>	340	12"Ø	12x12	LAY-IN ⑦	4-WAY	<div><div><div>↖</div><div>↗</div><div>↘</div><div>↙</div></div><div><div>A</div><div>B</div></div></div>	25	25	TITUS TDC ⑧
<div><div>D-3</div><div>CFM</div></div>	420	12"Ø	15x15	LAY-IN ⑦	4-WAY	<div><div><div>↖</div><div>↗</div><div>↘</div><div>↙</div></div><div><div>A</div><div>B</div></div></div>	25	25	TITUS TDC ⑧
<div><div>D-4</div><div>CFM</div></div>	445	14"Ø	15x15	LAY-IN ⑦	4-WAY	<div><div><div>↖</div><div>↗</div><div>↘</div><div>↙</div></div><div><div>A</div><div>B</div></div></div>	25	25	TITUS TDC ⑧
<div><div>D-5</div><div>CFM</div></div>	700	16"Ø	18x18	LAY-IN ⑦	3-WAY	<div><div><div>↖</div><div>↗</div><div>↘</div></div><div><div>A</div><div>B</div></div></div>	38	31	TITUS TDC ⑧

AIR COOLED CONDENSING UNIT SCHEDULE								
SYMBOL	MIN SIZE (TONS)			SEER / EER	MCA	MOCP	MANUF. & MODEL #	SCHEDULE NOTES
		RLA (EACH)	LRA (EACH)					
	3	10	88	13 SEER	13.9	20	CARRIER 24ABR 036	1,2,3,4,5
	10	37.8	239	10.4 EER	50.3	60	CARRIER 38ARZ 012	1,2,3,4,5
1. REFRIGERANT PURON. 2. AT DESIGN CONDITIONS AND 95° F EAT. 3. CONDENSING UNIT SYMBOLS CORRESPOND WITH FURNACE SYMBOLS, EXCEPT AS NOTED. 4. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS. 5. ELECTRIC SERVICE: 208/3Ø/60HZ								

FURNACE SCHEDULE									
SYMBOL	MIN. REQUIRED INPUT BTU/HR 1ST STAGE / 2ND STAGE	COOLING C.F.M.	HEATING C.F.M.	EXT. STATIC PRESSURE IN W.G.	MOTOR			MANUF. & MODEL #	SCHEDULE NOTES
					V - Ø - Hz	MIN. HP	SPEED		
	52,000 / 80,000	1200	1200	.8	115-1-60	1/2	VARIABLE	CARRIER 58MVP80-14	1,2,3,4,5
	78,000 / 120,000	1995	1885	.8	115-1-60	1	VARIABLE	CARRIER 58MVP120-20	1,2,3,4,5,6
	78,000 / 120,000	1995	1885	.8	115-1-60	1	VARIABLE	CARRIER 58MVP120-20	1,2,3,4,5,6
1. SEA LEVEL RATING. 2. FURNACE SYMBOLS CORRESPOND WITH CONDENSING UNIT AND COOLING COIL SYMBOLS. 3. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS. 4. PROVIDE CONCENTRIC VENT KIT. 5. MAY VARY ACCORDING TO MANUFACTURER. 6. PROVIDE TWINING KIT.									

REGISTER, LOUVER & GRILLE SCHEDULE							
SYMBOL	TYPE	SERVICE	MAX CFM ^①	NOMINAL SIZE	THROAT SIZE	CEILING MODULE	COMMENTS ^{②⑥}
	CEILING	RA	320	12x12	10"Ø	LAY-IN ^⑦	TITUS 355Z ^{⑧③}
	CEILING	RA	420	12x12	12"Ø	LAY-IN ^⑦	TITUS 355Z ^{⑧③}
	CEILING	RA	460	14x14	14x8	LAY-IN ^⑦	TITUS 355Z ^{⑧③}
	CEILING	RA	1000	18x18	18x10	LAY-IN ^⑦	TITUS 355Z ^{⑧③}
	CEILING	T.A.	320	12x12	12x8	LAY-IN ^⑦	TITUS 355Z ^{⑧③}
	PENTHOUSE	F.A.	2.2 sq. ft. FREE AREA	18x18x15.5	NA	NA	- ^{④⑤⑥}

- REGISTER, LOUVER AND DIFFUSER SCHEDULE NOTES:
- ① MAXIMUM NC=20 @ MAXIMUM CFM NOTED.
- ② MODEL NUMBERS LISTED ARE TITUS. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
- ③ FINISH SHALL BE STANDARD WHITE BAKED ENAMEL.
- ④ BAKED ENAMEL FINISH WITH COLOR AS DIRECTED BY ARCHITECT.
- ⑤ PROVIDE ALUMINUM BIRD SCREENS.
- ⑥ FOR APPROVED MANUFACTURERS AND MODEL NUMBERS SEE SPECIFICATIONS.
- ⑦ CEILING MODULE SIZE FOR LAY-IN CEILING IS 24x24.
- ⑧ FRAME SHALL BE SIMILAR TO TITUS #3 FRAME.

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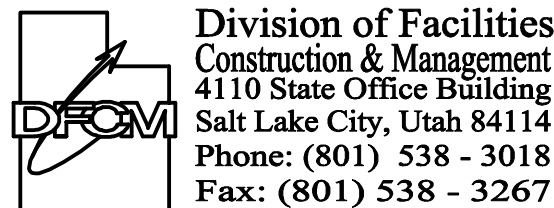


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CAMP WILLIAMS
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SHEET NAME:

MECHANICAL
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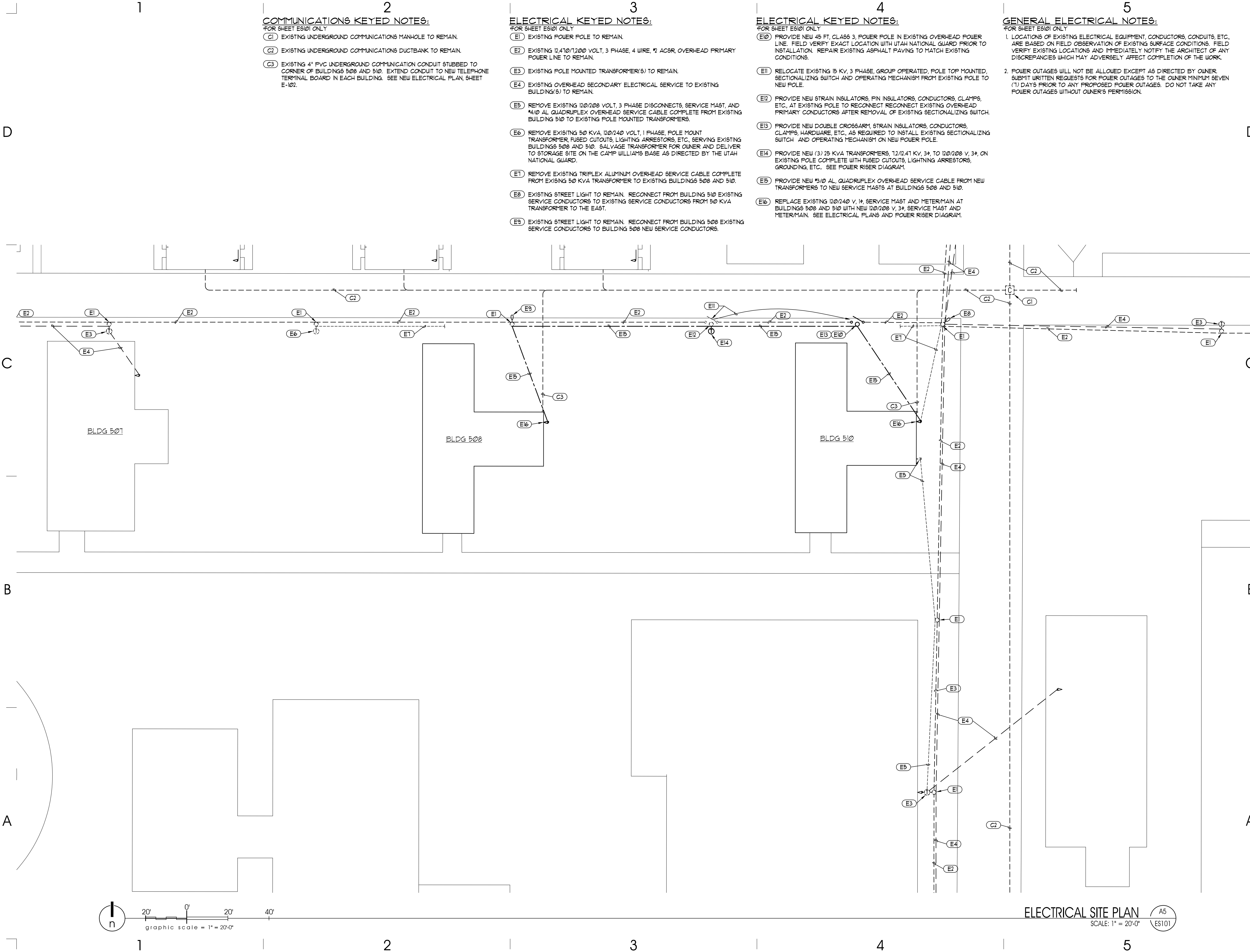
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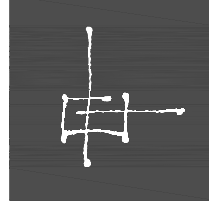
- 2 COMMUNICATIONS KEYED NOTES:
FOR SHEET ES101 ONLY
- (C1) EXISTING UNDERGROUND COMMUNICATIONS MANHOLE TO REMAIN.
 - (C2) EXISTING UNDERGROUND COMMUNICATIONS DUCTBANK TO REMAIN.
 - (C3) EXISTING 4" PVC UNDERGROUND COMMUNICATION CONDUIT STUBBED TO CORNER OF BUILDINGS 508 AND 510. EXTEND CONDUIT TO NEW TELEPHONE TERMINAL BOARD IN EACH BUILDING. SEE NEW ELECTRICAL PLAN, SHEET E-102.

- 3 ELECTRICAL KEYED NOTES:
FOR SHEET ES101 ONLY
- (E1) EXISTING POWER POLE TO REMAIN.
 - (E2) EXISTING 12410/1200 VOLT, 3 PHASE, 4 WIRE, 1/2 AC6R, OVERHEAD PRIMARY POWER LINE TO REMAIN.
 - (E3) EXISTING POLE MOUNTED TRANSFORMER(S) TO REMAIN.
 - (E4) EXISTING OVERHEAD SECONDARY ELECTRICAL SERVICE TO EXISTING BUILDING(S) TO REMAIN.
 - (E5) REMOVE EXISTING 120/208 VOLT, 3 PHASE DISCONNECTS, SERVICE MAST, AND 1/4" AL QUADRIPLEX OVERHEAD SERVICE CABLE COMPLETE FROM EXISTING BUILDING 510 TO EXISTING POLE MOUNTED TRANSFORMERS.
 - (E6) REMOVE EXISTING 50 KVA, 120/240 VOLT, 1 PHASE, POLE MOUNT TRANSFORMER, FUSED CUTOUPS, LIGHTING ARRESTORS, ETC., SERVING EXISTING BUILDINGS 508 AND 510. SALVAGE TRANSFORMER FOR OWNER AND DELIVER TO STORAGE SITE ON THE CAMP WILLIAMS BASE AS DIRECTED BY THE UTAH NATIONAL GUARD.
 - (E7) REMOVE EXISTING TRIPLEX ALUMINUM OVERHEAD SERVICE CABLE COMPLETE FROM EXISING 50 KVA TRANSFORMER TO EXISTING BUILDINGS 508 AND 510.
 - (E8) EXISTING STREET LIGHT TO REMAIN. RECONNECT FROM BUILDING 510 EXISTING SERVICE CONDUCTORS TO EXISTING SERVICE CONDUCTORS FROM 50 KVA TRANSFORMER TO THE EAST.
 - (E9) EXISTING STREET LIGHT TO REMAIN. RECONNECT FROM BUILDING 508 EXISTING SERVICE CONDUCTORS TO BUILDING 508 NEW SERVICE CONDUCTORS.

- 4 ELECTRICAL KEYED NOTES:
FOR SHEET ES101 ONLY
- (E10) PROVIDE NEW 45 FT. CLASS 3, POWER POLE IN EXISTING OVERHEAD POWER LINE. FIELD VERIFY EXACT LOCATION WITH UTAH NATIONAL GUARD PRIOR TO INSTALLATION. REPAIR EXISTING ASPHALT PAVING TO MATCH EXISTING CONDITIONS.
 - (E11) RELOCATE EXISTING 15 KV, 3 PHASE, GROUP OPERATED, POLE TOP MOUNTED, SECTIONALIZING SWITCH AND OPERATING MECHANISM FROM EXISTING POLE TO NEW POLE.
 - (E12) PROVIDE NEW STRAIN INSULATORS, PIN INSULATORS, CONDUCTORS, CLAMPS, ETC., AT EXISTING POLE TO RECONNECT RECONNECT EXISTING OVERHEAD PRIMARY CONDUCTORS AFTER REMOVAL OF EXISTING SECTIONALIZING SWITCH.
 - (E13) PROVIDE NEW DOUBLE CROSSARM, STRAIN INSULATORS, CONDUCTORS, CLAMPS, HARDWARE, ETC., AS REQUIRED TO INSTALL EXISTING SECTIONALIZING SWITCH AND OPERATING MECHANISM ON NEW POWER POLE.
 - (E14) PROVIDE NEW (3) 25 KVA TRANSFORMERS, 12/1241 KV, 3*, TO 120/208 V, 3*, ON EXISTING POLE COMPLETE WITH FUSED CUTOUPS, LIGHTNING ARRESTORS, GROUNDING, ETC. SEE POWER RISER DIAGRAM.
 - (E15) PROVIDE NEW 1/2" AL QUADRIPLEX OVERHEAD SERVICE CABLE FROM NEW TRANSFORMERS TO NEW SERVICE MASTS AT BUILDINGS 508 AND 510.
 - (E16) REPLACE EXISTING 120/240 V, 1*, SERVICE MAST AND METER/MAIN AT BUILDINGS 508 AND 510 WITH NEW 120/208 V, 3*, SERVICE MAST AND METER/MAIN. SEE ELECTRICAL PLANS AND POWER RISER DIAGRAM.

- 5 GENERAL ELECTRICAL NOTES:
FOR SHEET ES101 ONLY
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, CONDUCTORS, CONDUITS, ETC., ARE BASED ON FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
 - POWER OUTAGES WILL NOT BE ALLOWED EXCEPT AS DIRECTED BY OWNER. SUBMIT WRITTEN REQUESTS FOR POWER OUTAGES TO THE OWNER MINIMUM SEVEN (7) DAYS PRIOR TO ANY PROPOSED POWER OUTAGES. DO NOT TAKE ANY POWER OUTAGES WITHOUT OWNER'S PERMISSION.

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**CAMP WILLIAMS
BUILDINGS
508 AND 510**

SHEET NAME:
ELECTRICAL SITE PLAN

REVISIONS

MARK	DATE	DESCRIPTION
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EQUIPMENT DEMOLITION KEYED NOTES:

FOR SHEET ED101 ONLY

- (E1) REMOVE EXISTING RECEPTACLE AND WIRING. ABANDON EXISTING FLUSH OUTLET BOX AND CONCEALED CONDUIT IN PLACE OR REMOVE AS REQUIRED FOR INSTALLATION OF NEW MAKE-UP AIR UNIT DUCTWORK. SEE MECHANICAL AND ARCHITECTURAL PLANS.
- (E2) REMOVE EXISTING SURFACE MOUNTED RECEPTACLE, CONDUIT, WIRING, BOXES, ETC.
- (E3) REMOVE EXISTING RECEPTABLES, CONDUIT, WIRING BOXES, ETC., FROM EXISTING COUNTER TO BE REMOVED.
- (E4) REMOVE HARDWARE ELECTRICAL CONNECTION TO EXISTING COFFEE MAKER TO BE REMOVED.
- (E5) REMOVE EXISTING SURFACE MOUNTED JUNCTION BOX, CONDUIT, WIRING, BOXES, ETC.
- (E6) REMOVE EXISTING SURFACE MOUNTED 50 AMP, 240 VOLT RECEPTACLE, CONDUIT, WIRING, BOXES, ETC.
- (E7) REMOVE EXISTING FLUSH CEILING MOUNTED RECEPTACLE, CONDUIT, WIRING, BOXES, ETC.
- (E8) REMOVE EXISTING JUNCTION BOX, CONDUIT, WIRING, ETC., AND HARDWARE CONNECTION TO EXISTING 3 DOOR FREEZER TO BE REMOVED.
- (E9) REMOVE ELECTRICAL SERVICE TO EXISTING HOOD EXHAUST FAN ON ROOF INCLUDING 30 AMPERE, 120 VOLT, DISCONNECT SWITCH, CONDUIT, WIRING, BOXES, ETC.
- (E10) REMOVE ELECTRICAL SERVICE TO EXISTING EVAPORATIVE COOLER ON ROOF INCLUDING CONDUIT, WIRING, BOXES, ETC.
- (E11) REMOVE EXISTING SURFACE MOUNTED EVAPORATIVE COOLER CONTROL SWITCH, CONDUIT, WIRING, BOXES, ETC.
- (E12) REMOVE ELECTRICAL SERVICE TO EXISTING GAS FIRED UNIT HEATER AND THERMOSTAT TO BE REMOVED INCLUDING CONDUIT, WIRING, BOXES, ETC.
- (E13) REMOVE EXISTING FLUSH DISCONNECT ENCLOSURE USED AS JUNCTION BOXES INCLUDING ALL WIRING. ABANDON EXISTING CONCEALED CONDUITS IN PLACE.
- (E14) REMOVE ABANDONED CABLES EXPOSED ON EXTERIOR OF BUILDING.
- (E15) REMOVE EXISTING 200 AMPERE, 120/240 VOLT, 1 PHASE LOAD CENTER INCLUDING 2 #10 AL, 1 #2 AL NEUTRAL, 1 #8 GND, 1-1/4" CONDUIT FROM PANEL TO EXISTING METER MAIN ON EXTERIOR OF BUILDING.
- (E16) REMOVE EXISTING 200 AMPERE, 120/240 VOLT, 1 PHASE METER/MAIN PANEL COMBINATION WITH 150 AMPERE MAIN BREAKER, 2" GRC SERVICE MAST, AND OVERHEAD TRIPLEX CONDUCTORS COMPLETE TO EXISTING POLE MOUNT TRANSFORMER. SEE ELECTRICAL SITE PLAN, SHEET ES101, FOR LOCATION OF EXISTING TRANSFORMER.
- (E17) REMOVE EXISTING 3P-200A AND 3P-30A, 120/208 V, 3#, DISCONNECT SWITCHES, JUNCTION BOX, 2" GRC SERVICE MAST, AND OVERHEAD QUADPLEX CONDUCTORS COMPLETE TO EXISTING POLE MOUNT TRANSFORMERS. SEE ELECTRICAL SITE PLAN, SHEET ES101, FOR LOCATION OF EXISTING TRANSFORMER. THIS WAS A TEMPORARY POWER CONNECTION AND IS NOT ASSOCIATED WITH THE BUILDING ELECTRICAL SYSTEM.

TELEPHONE DEMOLITION KEYED NOTES:

FOR SHEET ED101 ONLY

- (T1) REMOVE EXISTING SURFACE MOUNTED TELEPHONE JACK INCLUDING ALL EXPOSED CABLE.
- (T2) REMOVE EXISTING TELEPHONE CABLE EXPOSED ON EXTERIOR OF BUILDING COMPLETE TO EXISTING POWER POLE.

GENERAL NOTES:

FOR SHEET ED101 ONLY

1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
2. DEMOLITION PLAN IS SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, JUNCTION BOXES, OUTLETS, LIGHT FIXTURES, EQUIPMENT, ETC. WHETHER SPECIFICALLY SHOWN OR NOT.
3. EXISTING RACEWAYS WHICH ARE NOT ACCESSIBLE FOR REMOVAL MAY BE ABANDONED IN PLACE WITH ALL WIRING REMOVED.
4. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, PROVIDE NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
5. ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE UTAH NATIONAL GUARD FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE UTAH NATIONAL GUARD.
6. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH EXISTING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

GENERAL DEMOLITION KEYED NOTES:

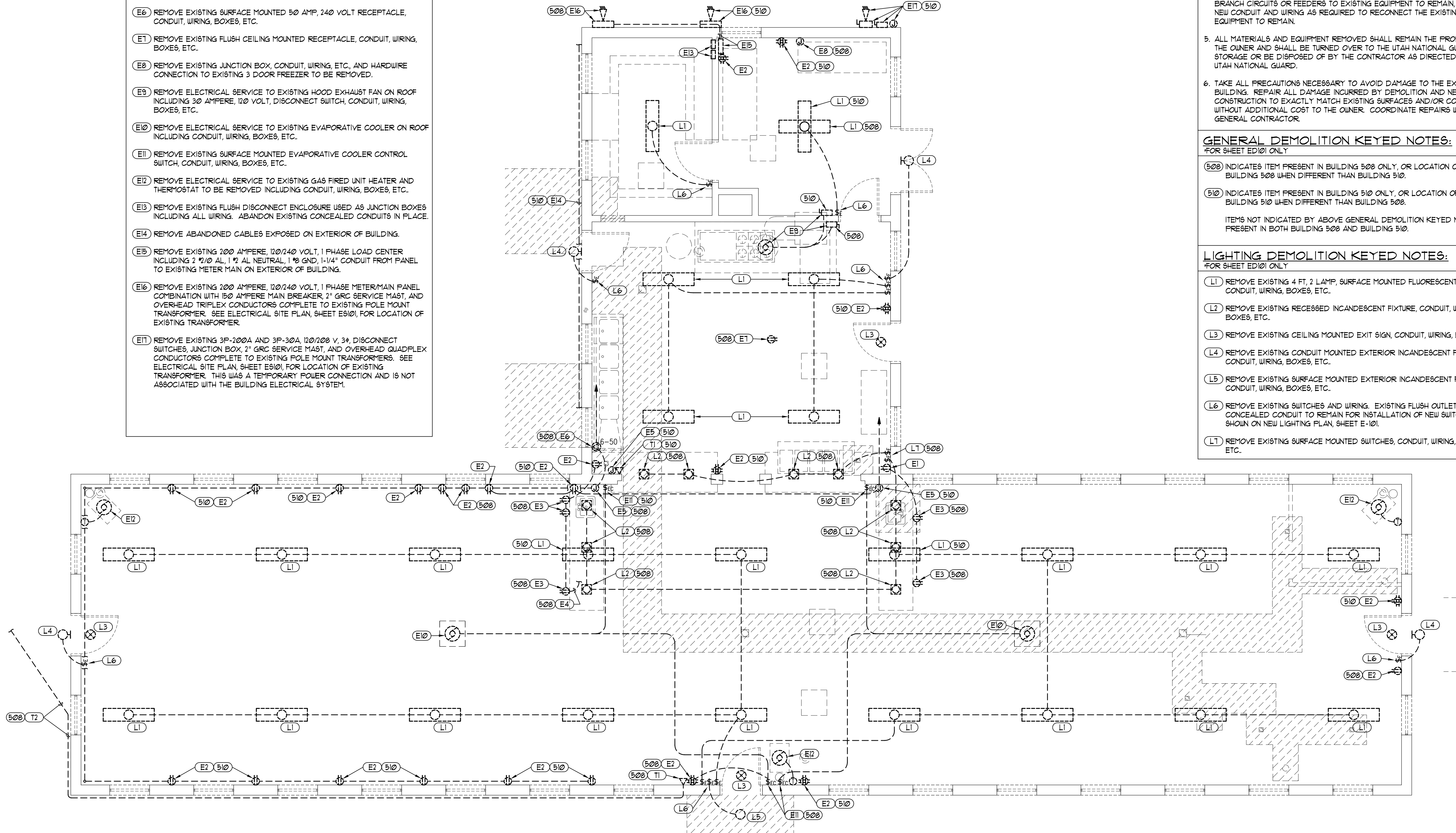
FOR SHEET ED101 ONLY

- (508) INDICATES ITEM PRESENT IN BUILDING 508 ONLY, OR LOCATION OF ITEM IN BUILDING 508 WHEN DIFFERENT THAN BUILDING 510.
- (510) INDICATES ITEM PRESENT IN BUILDING 510 ONLY, OR LOCATION OF ITEM IN BUILDING 510 WHEN DIFFERENT THAN BUILDING 508.
- ITEMS NOT INDICATED BY ABOVE GENERAL DEMOLITION KEYED NOTES ARE PRESENT IN BOTH BUILDING 508 AND BUILDING 510.

LIGHTING DEMOLITION KEYED NOTES:

FOR SHEET ED101 ONLY

- (L1) REMOVE EXISTING 4 FT, 2 LAMP, SURFACE MOUNTED FLUORESCENT FIXTURE, CONDUIT, WIRING, BOXES, ETC.
- (L2) REMOVE EXISTING RECESSED INCANDESCENT FIXTURE, CONDUIT, WIRING, BOXES, ETC.
- (L3) REMOVE EXISTING CEILING MOUNTED EXIT SIGN, CONDUIT, WIRING, BOXES, ETC.
- (L4) REMOVE EXISTING CONDUIT MOUNTED EXTERIOR INCANDESCENT FIXTURE, CONDUIT, WIRING, BOXES, ETC.
- (L5) REMOVE EXISTING SURFACE MOUNTED EXTERIOR INCANDESCENT FIXTURE, CONDUIT, WIRING, BOXES, ETC.
- (L6) REMOVE EXISTING SWITCHES AND WIRING. EXISTING FLUSH OUTLET BOX AND CONCEALED CONDUIT TO REMAIN FOR INSTALLATION OF NEW SWITCHES AS SHOWN ON NEW LIGHTING PLAN, SHEET E-101.
- (L7) REMOVE EXISTING SURFACE MOUNTED SWITCHES, CONDUIT, WIRING, BOXES, ETC.



ELECTRICAL DEMOLITION PLAN

SCALE: 1/4" = 1'-0"

A5
ED101

ARCHITECT PROJECT # 0310



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CAMP WILLIAMS
BUILDINGS
508 AND 510

SHEET NAME:

ELECTRICAL
DEMOLITION PLAN

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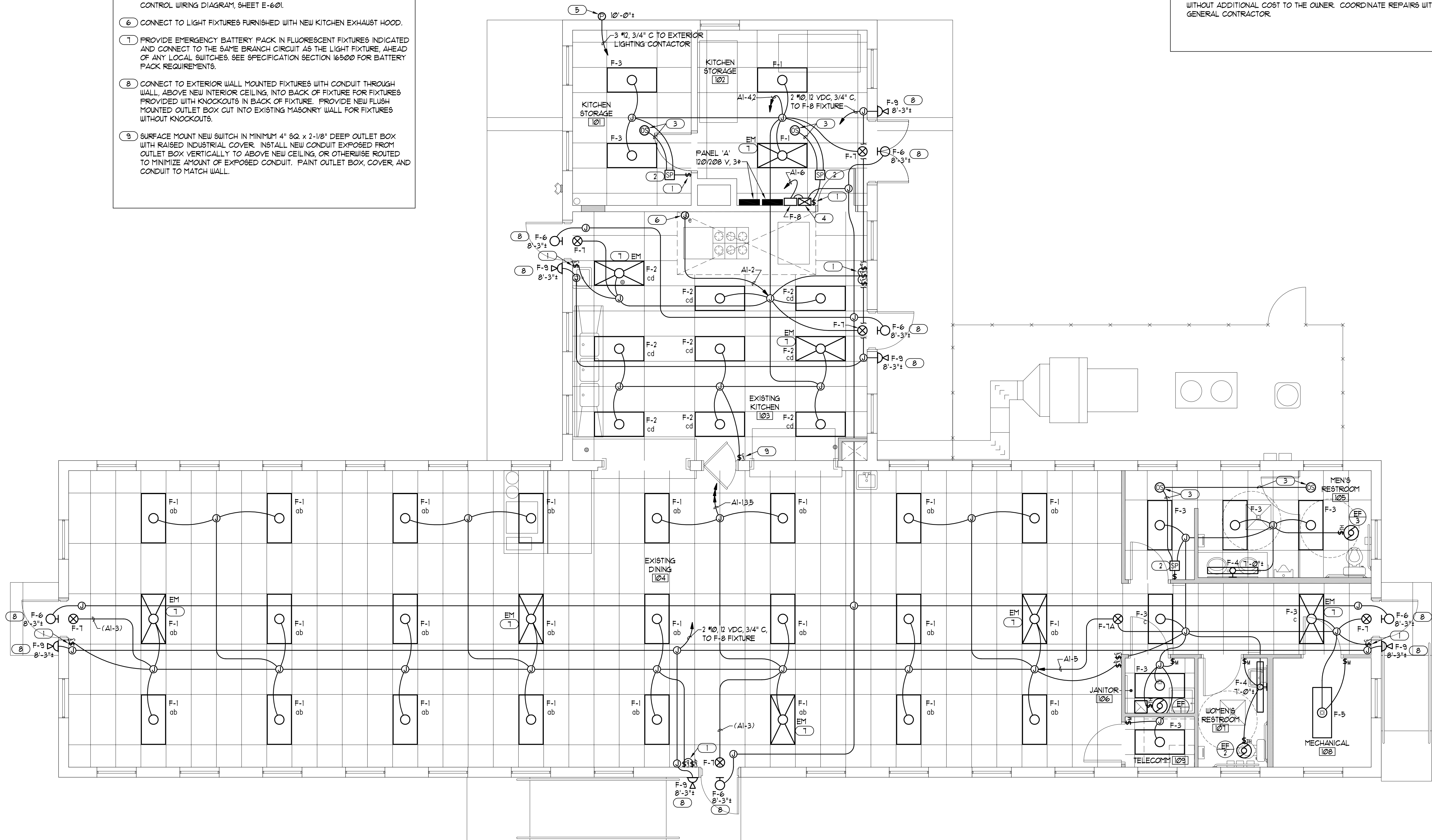
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NEW LIGHTING KEYED NOTES:
FOR SHEET E-101 ONLY

1. PROVIDE NEW SWITCH WITH COVERPLATE IN EXISTING FLUSH OUTLET BOX. PROVIDE NEW WIRING TO CONTROL NEW LIGHTING AS SHOWN.
2. NEW OCCUPANCY SENSOR SWITCHPACK, INSTALL IN ACCESSIBLE CEILING SPACE. CONNECT ROOM SWITCH(ES) TO THE LOAD SIDE OF THE SWITCHPACK FOR MANUAL 'OFF' CONTROL OF THE ROOM LIGHTING.
3. NEW CEILING MOUNTED OCCUPANCY SENSOR. INSTALL CONTROL WIRING IN MINIMUM 3/4" CONDUIT FROM THE SENSOR TO THE SWITCHPACK. DO NOT INSTALL ANY OTHER WIRING IN THE SAME RACEWAY WITH THE CLASS 2 CONTROL WIRING.
4. NEW EXTERIOR LIGHTING CONTROL CABINET. SEE EXTERIOR LIGHTING CONTROL WIRING DIAGRAM, SHEET E-601.
5. NEW PHOTOCELL TO CONTROL EXTERIOR LIGHTING. SURFACE MOUNT ADJACENT TO NEW TELEPHONE SERVICE CONDUIT. SEE EXTERIOR LIGHTING CONTROL WIRING DIAGRAM, SHEET E-601.
6. CONNECT TO LIGHT FIXTURES FURNISHED WITH NEW KITCHEN EXHAUST HOOD.
7. PROVIDE EMERGENCY BATTERY PACK IN FLUORESCENT FIXTURES INDICATED AND CONNECT TO THE SAME BRANCH CIRCUIT AS THE LIGHT FIXTURE, AHEAD OF ANY LOCAL SWITCHES. SEE SPECIFICATION SECTION 16500 FOR BATTERY PACK REQUIREMENTS.
8. CONNECT TO EXTERIOR WALL MOUNTED FIXTURES WITH CONDUIT THROUGH WALL, ABOVE NEW INTERIOR CEILING, INTO BACK OF FIXTURE FOR FIXTURES PROVIDED WITH KNOCKOUTS IN BACK OF FIXTURE. PROVIDE NEW FLUSH MOUNTED OUTLET BOX CUT INTO EXISTING MASONRY WALL FOR FIXTURES WITHOUT KNOCKOUTS.
9. SURFACE MOUNT NEW SWITCH IN MINIMUM 4" 6Q. x 2-1/8" DEEP OUTLET BOX WITH RAISED INDUSTRIAL COVER. INSTALL NEW CONDUIT EXPOSED FROM OUTLET BOX VERTICALLY TO ABOVE NEW CEILING, OR OTHERWISE ROUTED TO MINIMIZE AMOUNT OF EXPOSED CONDUIT. PAINT OUTLET BOX, COVER, AND CONDUIT TO MATCH WALL.

GENERAL NOTES:
FOR SHEET E-101 ONLY

1. COORDINATE FIXTURE LOCATIONS WITH ARCHITECT'S REFLECTED CEILING PLAN SHEET AE103, CEILING CONTRACTOR, BUILDING STRUCTURE, MECHANICAL EQUIPMENT & DUCTWORK LOCATIONS, ETC.
2. CONNECT F-1 & F-2 FIXTURES WITH TWO OUTSIDE LAMPS CONTROLLED BY ONE SWITCH AND INSIDE LAMP(S) CONTROLLED BY SECOND SWITCH WHERE INDICATED.
3. CONNECT EXIT LIGHT FIXTURES F-1 TO THE SAME BRANCH CIRCUIT AS THE GENERAL ROOM LIGHTING, AHEAD OF ANY LOCAL SWITCHES.
4. WHERE BRANCH CIRCUIT HOMERUNS INDICATE WIRE SIZES, USE THAT SIZE WIRE THROUGHOUT THE BRANCH CIRCUIT, INCLUDING SWITCH LEGS, ETC.
5. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH EXISTING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

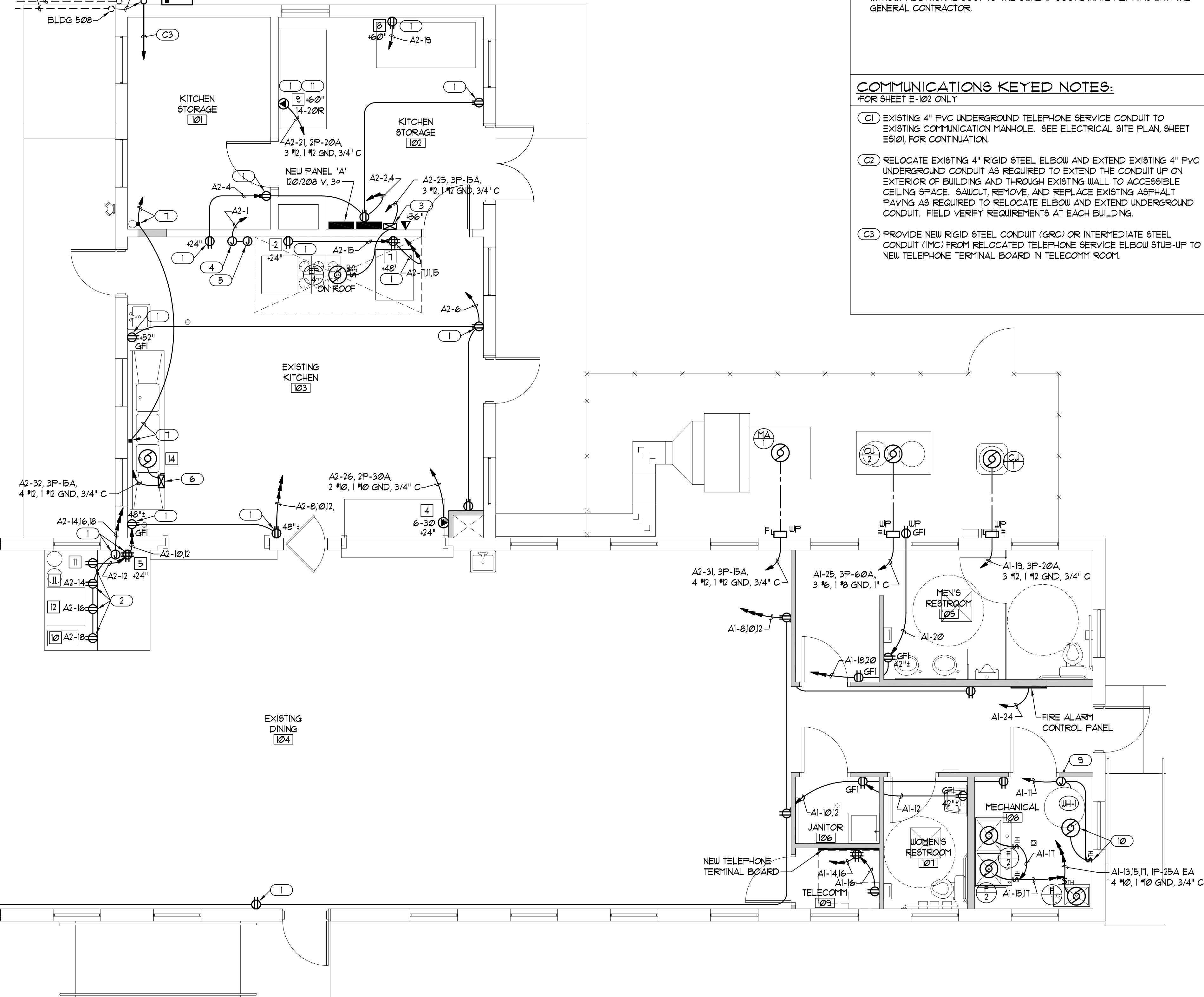


ELECTRICAL KEYED NOTES:
FOR SHEET E-102 ONLY

- 1 SURFACE MOUNT NEW RECEPTACLE IN MINIMUM 4" SQ. x 2-1/8" DEEP OUTLET BOX WITH RAISED INDUSTRIAL COVER. INSTALL NEW CONDUIT EXPOSED FROM OUTLET BOX VERTICALLY TO ABOVE NEW CEILING, OR OTHERWISE ROUTED TO MINIMIZE AMOUNT OF EXPOSED CONDUIT. PAINT OUTLET BOX, COVER, AND CONDUIT TO MATCH WALL.
- 2 INSTALL NEW RECEPTABLES IN NEW COUNTER FURNISHED BY UTAH NATIONAL GUARD. CONNECT TO SURFACE OUTLET OR JUNCTION BOX ON WALL WITH LIQUID-TIGHT FLEXIBLE STEEL CONDUIT. COORDINATE REQUIREMENTS WITH ARCHITECT AND UTAH NATIONAL GUARD.
- 3 MAGNETIC MOTOR STARTER FOR HOOD EXHAUST FAN EF/4 AND POWER RELAYS IN SEPARATE ENCLOSURE. SEE EXHAUST HOOD CONTROL WIRING DIAGRAM, SHEET E-601.
- 4 HOOD FIRE SUPPRESSION SYSTEM CONTROL BOX WITH ISOLATED CONTACTS FOR CONTROL OF GAS VALVE AND SHUNT TRIP CIRCUIT BREAKERS. SEE EXHAUST HOOD CONTROL WIRING DIAGRAM, SHEET E-601.
- 5 CONNECT TO ELECTRICALLY OPERATED GAS VALVE. SEE EXHAUST HOOD CONTROL WIRING DIAGRAM, SHEET E-601.
- 6 CONTROL PANEL WITH STARTER AND INTEGRAL DISCONNECT FOR DISPOSAL FURNISHED WITH DISPOSAL, TO BE INSTALLED AND WIRED COMPLETE BY CONTRACTOR. INSTALL ON UNDERSIDE OF NEW SINK USING MOUNTING BRACKET FURNISHED WITH CONTROL PANEL. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 7 PROVIDE NEW #2 GROUND, 1" C, BOND TO NEW FIRE SPRINKLER RISER AND EXISTING WATER MAIN, AND EXTEND TO GROUND BUS IN NEW METER/MAIN BREAKER.
- 8 PROVIDE 2 NEW 3/4" x 10'-0" COPPER GROUND RODS SPACED MINIMUM 6'-0" APART. CONNECT TO GROUND BUS IN NEW METER/MAIN WITH #2 BARE COPPER GROUND CONDUCTOR. PROVIDE 3/4" PVC CONDUIT FROM METER/MAIN ENCLOSURE TO BELOW GRADE TO PROTECT THE GROUND CONDUCTOR. SAUCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVING AS REQUIRED TO INSTALL GROUND RODS AND GROUND CONDUCTOR.
- 9 CONNECT TO GAS FIRED WATER HEATER CONTROLS. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 10 CONNECT TO HOT WATER CIRCULATING PUMP. PROVIDE MANUAL MOTOR STARTING SWITCH WITH THERMAL OVERLOAD PROTECTION. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 11 BUILDING 508 ONLY: CONNECT TO EXISTING FREEZER WITH NEW #2/3 W/GND, HARD USAGE TYPE 'SO' CORD AND PLUG TO MATE WITH RECEPTACLE. NEW FREEZER AT BUILDING 510 WILL BE FURNISHED WITH CORD AND PLUG.

NEW WEATHERHEAD FOR OVERHEAD SERVICE, SEE ELECTRICAL SITE PLAN, SHEET E9101.

NEW METER/MAIN BREAKER, 3P-200A, 120/208 V, 3#, 4W, SEE POWER RISER DIAGRAM



GENERAL NOTES:
FOR SHEET E-102 ONLY

1. COORDINATE MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR.
2. VERIFY ELECTRICAL LOAD, VOLTAGE, CONNECTION REQUIREMENTS, AND LOCATION OF NEW FOOD SERVICE EQUIPMENT WITH EQUIPMENT SUPPLIER AND/OR UTAH NATIONAL GUARD PRIOR TO ROUGHING IN RACEWAY SYSTEM FOR THE EQUIPMENT.
3. WHERE BRANCH CIRCUIT HOMERUNS INDICATE WIRE SIZES, THE BRANCH CIRCUIT SHALL BE THAT SIZE WIRE THROUGHOUT, INCLUDING SWITCH LEGS, ETC.
4. FIELD COORDINATE LOCATION OF ALL NEW OUTLETS WITH OWNER'S FURNITURE AND EQUIPMENT LOCATIONS PRIOR TO ROUGHING IN NEW OUTLETS.
5. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

COMMUNICATIONS KEYED NOTES:
FOR SHEET E-102 ONLY

- (C1) EXISTING 4" PVC UNDERGROUND TELEPHONE SERVICE CONDUIT TO EXISTING COMMUNICATION MANHOLE. SEE ELECTRICAL SITE PLAN, SHEET E9101, FOR CONTINUATION.
- (C2) RELOCATE EXISTING 4" RIGID STEEL ELBOW AND EXTEND EXISTING 4" PVC UNDERGROUND CONDUIT AS REQUIRED TO EXTEND THE CONDUIT UP ON EXTERIOR OF BUILDING AND THROUGH EXISTING WALL TO ACCESSIBLE CEILING SPACE. SAUCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVING AS REQUIRED TO RELOCATE ELBOW AND EXTEND UNDERGROUND CONDUIT. FIELD VERIFY REQUIREMENTS AT EACH BUILDING.
- (C3) PROVIDE NEW RIGID STEEL CONDUIT (GRC) OR INTERMEDIATE STEEL CONDUIT (IMC) FROM RELOCATED TELEPHONE SERVICE ELBOW STUB-UP TO NEW TELEPHONE TERMINAL BOARD IN TELECOM ROOM.

graphic scale = 1/4" = 1'-0"

NEW ELECTRICAL EQUIPMENT PLAN

SCALE: 1/4" = 1'-0"

A5
E-102

ARCHITECT PROJECT # 0310



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CAMP WILLIAMS
BUILDINGS
508 AND 510

SHEET NAME:

NEW ELECTRICAL
EQUIPMENT PLAN

REVISIONS

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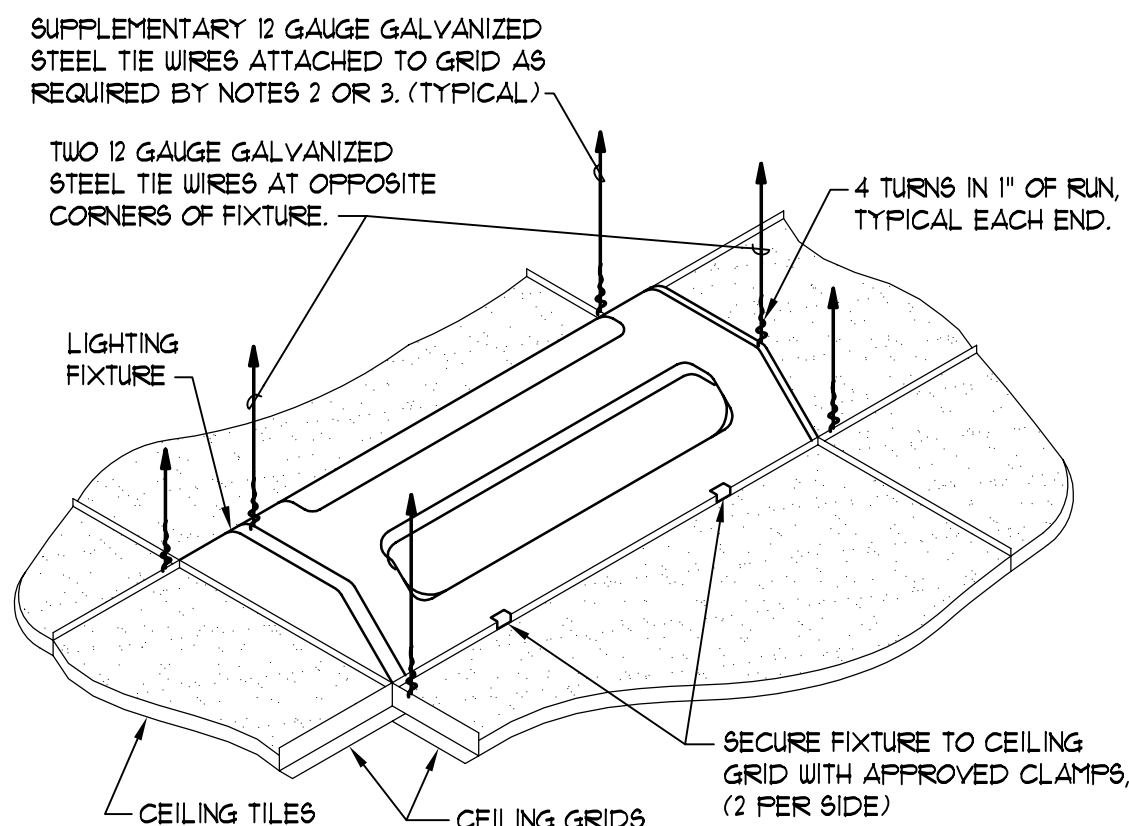
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TYPICAL LIGHTING FIXTURE SUPPORT DETAIL

NOT TO SCALE

D2

E-601

EXTERIOR LIGHTING CONTROL EQUIPMENT:

CBI CONTROL CIRCUIT BREAKER, 120 VOLT, 5 AMP THERMAL MAGNETIC TRIP, RAIL MOUNTED, SQUARE D CLASS 9000, TYPE GCB50. INSTALL IN CABINET.

PCI PHOTOCELL, 2000 LUFT, 120 VOLT, WITH SPST CONTACTS, TORK #101 OR EQUAL. INSTALL OUTSIDE FACING NORTH AND AWAY FROM LIGHT SOURCES.

CRI INDUSTRIAL CONTROL RELAY WITH 2 N.O. CONTACTS AND 120 VAC COIL, SQUARE D CLASS 8501, TYPE X020V02 OR EQUAL. INSTALL IN CABINET.

SSI SELECTOR SWITCH, 3 POSITION, MAINTAINED CONTACT, 2 N.O. #2 N.C. CONTACTS, SQUARE D CLASS 9201, TYPE K543BH3 WITH 9001-KN360 "HAND-OFF-AUTO" ALUMINUM LEGEND PLATE. INSTALL IN COVER OF CABINET.

LCI LIGHTING CONTACTOR, ELECTRICALLY HELD, 2 POLE, 20 AMP, 120 VAC COIL, SQUARE D CLASS 8903, TYPE L020-V02 OR EQUAL. INSTALL IN CABINET.

LIGHTING CONTROL CABINET, 12" W x 16" H x 6" D, NEMA 1 ENCLOSURE WITH HINGED FRONT COVER, FLUSH LATCH AND EQUIPMENT MOUNTING PANEL, WIEGMAN N1C-12166 OR EQUAL.

TERMINAL BLOCKS, 600 VOLT, FOR #12-#6 CONDUCTORS, PROVIDE WITH MOUNTING RAIL, END BARRIERS, ETC., AS REQUIRED, SQUARE D CLASS 9000, TYPE GR6 OR EQUAL. INSTALL IN CABINET AS REQUIRED FOR TERMINATION OF ALL CONDUCTORS TO OUTSIDE OF CABINET.

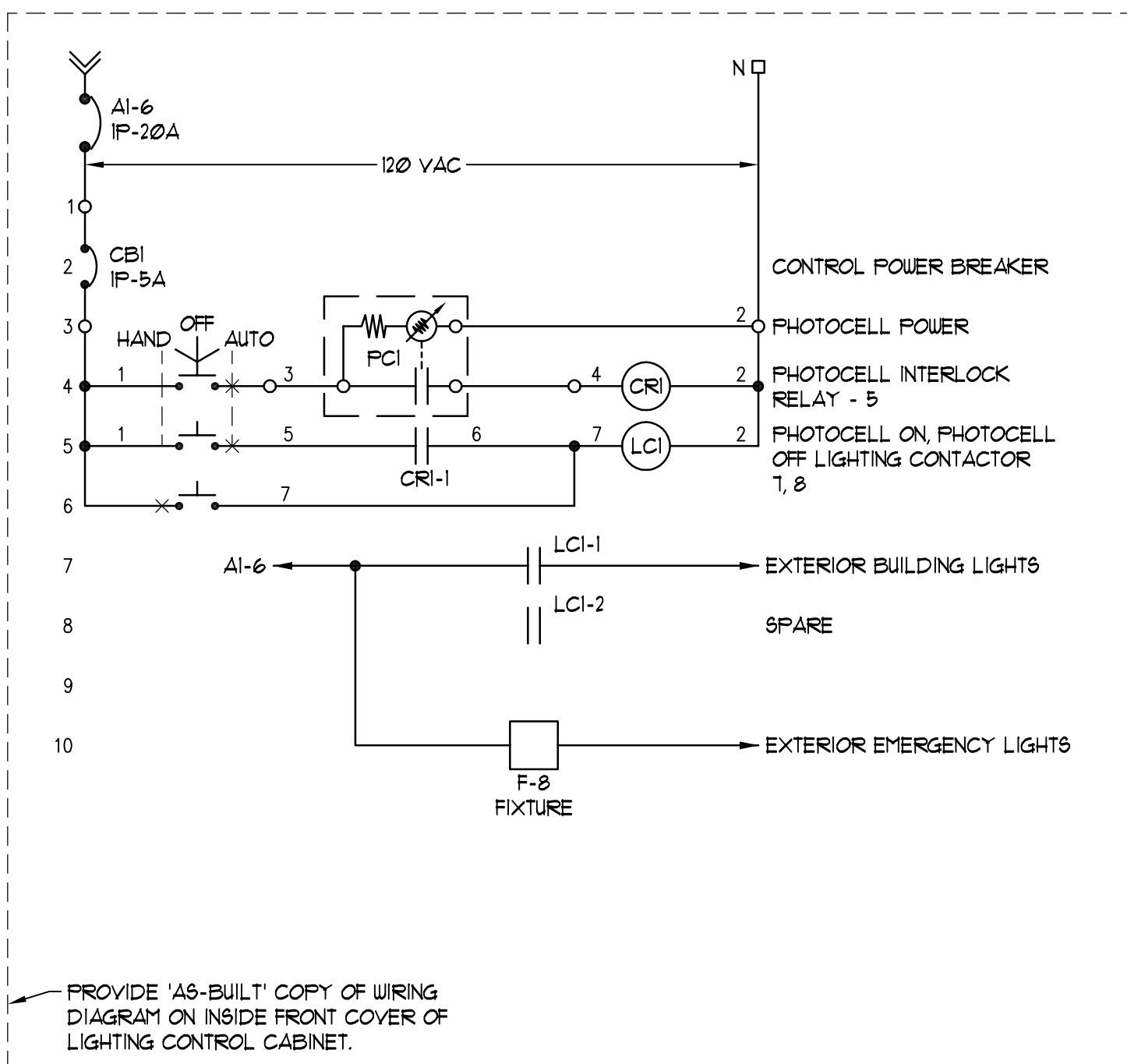
CONTROL NOTES:

- USE MINIMUM #14 STRANDED WIRE FOR ALL CONTROL CONDUCTORS. LABEL WIRE ACCORDING TO NUMBER ON CONTROL DIAGRAM. SEE SPECIFICATION SECTION 16195.
- REFER TO ELECTRICAL PLANS FOR POWER WIRE SIZES.
- PROVIDE ENGRAVED NAMEPLATE FOR "EXTERIOR LIGHTING CONTROL CABINET" IN ACCORDANCE WITH SPECIFICATION SECTION 16195. PROVIDE SELF-ADHESIVE LABEL TO INCLUDE CIRCUIT NUMBERS OF ALL CONTROL AND POWER CIRCUITS.
- PROVIDE SELF-ADHESIVE LABELS TO IDENTIFY ALL CONTROL DEVICES ACCORDING TO WIRING DIAGRAM.
- PROVIDE DEVICES AS SPECIFIED OR EQUAL OF ACCEPTABLE MANUFACTURERS LISTED IN SPECIFICATION SECTION 16480.

FIXTURE SUPPORT NOTES:

- ALL LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100% OF THE LIGHTING FIXTURE WEIGHT ACTING ANY DIRECTION.
- FOR INTERMEDIATE DUTY CEILING SYSTEM, PROVIDE A SUPPLEMENTARY 12 GAUGE HANGER ATTACHED TO THE GRID MEMBERS WITHIN 3" OF EACH CORNER OF EACH FIXTURE AS SHOWN ON DETAIL. TANDEM FIXTURES MAY UTILIZE COMMON WIRES.
- FOR HEAVY DUTY CEILING SYSTEM, SUPPLEMENTARY HANGERS ARE NOT REQUIRED IF A 48" MODULAR HANGER WIRE PATTERN IS USED AND THE LIGHTING FIXTURE IS SUPPORTED FROM MAIN TEES. SUPPLEMENTARY 12 GAUGE HANGERS ARE REQUIRED WHERE THE FIXTURE IS SUPPORTED FROM CROSS TEES WITH LESS CARRYING CAPACITY THAN THE MAIN TEES.
- LIGHTING FIXTURES WEIGHING LESS THAN 56 LBS. SHALL HAVE, IN ADDITION TO THE REQUIREMENTS OUTLINED ABOVE, TWO 12 GAUGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. THESE WIRES MAY BE BLACK.
- LIGHTING FIXTURES WEIGHING 56 LBS. OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.
- PENDANT HUNG LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING 9 GAUGE WIRES OR APPROVED ALTERNATE SUPPORT WITHOUT USING CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT.

- COORDINATE SUPPORT REQUIREMENTS AND HANGER WIRE INSTALLATION WITH CEILING CONTRACTOR.



EXTERIOR LIGHTING CONTROL WIRING DIAGRAM

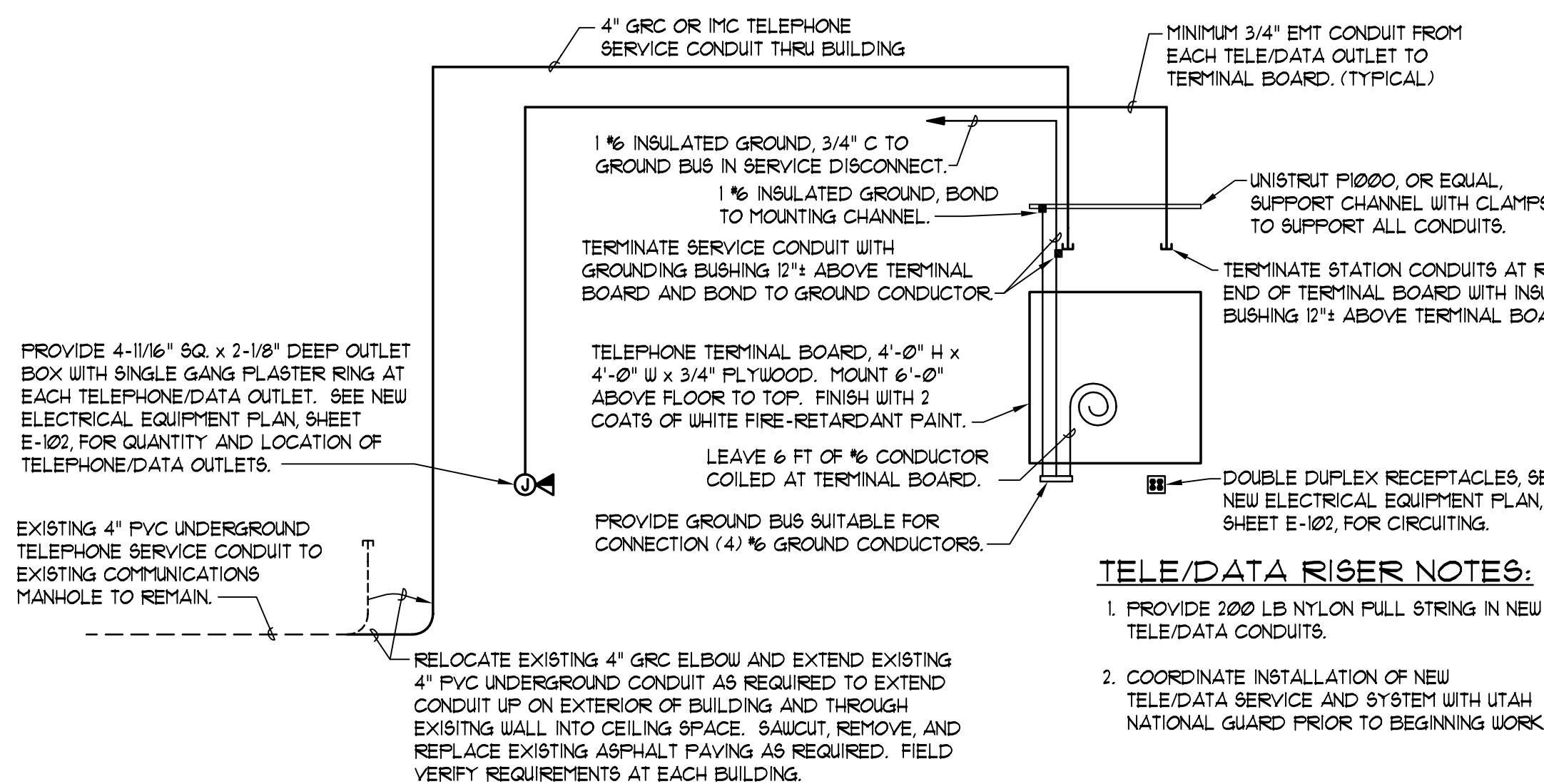
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TELEPHONE/DATA RISER DIAGRAM

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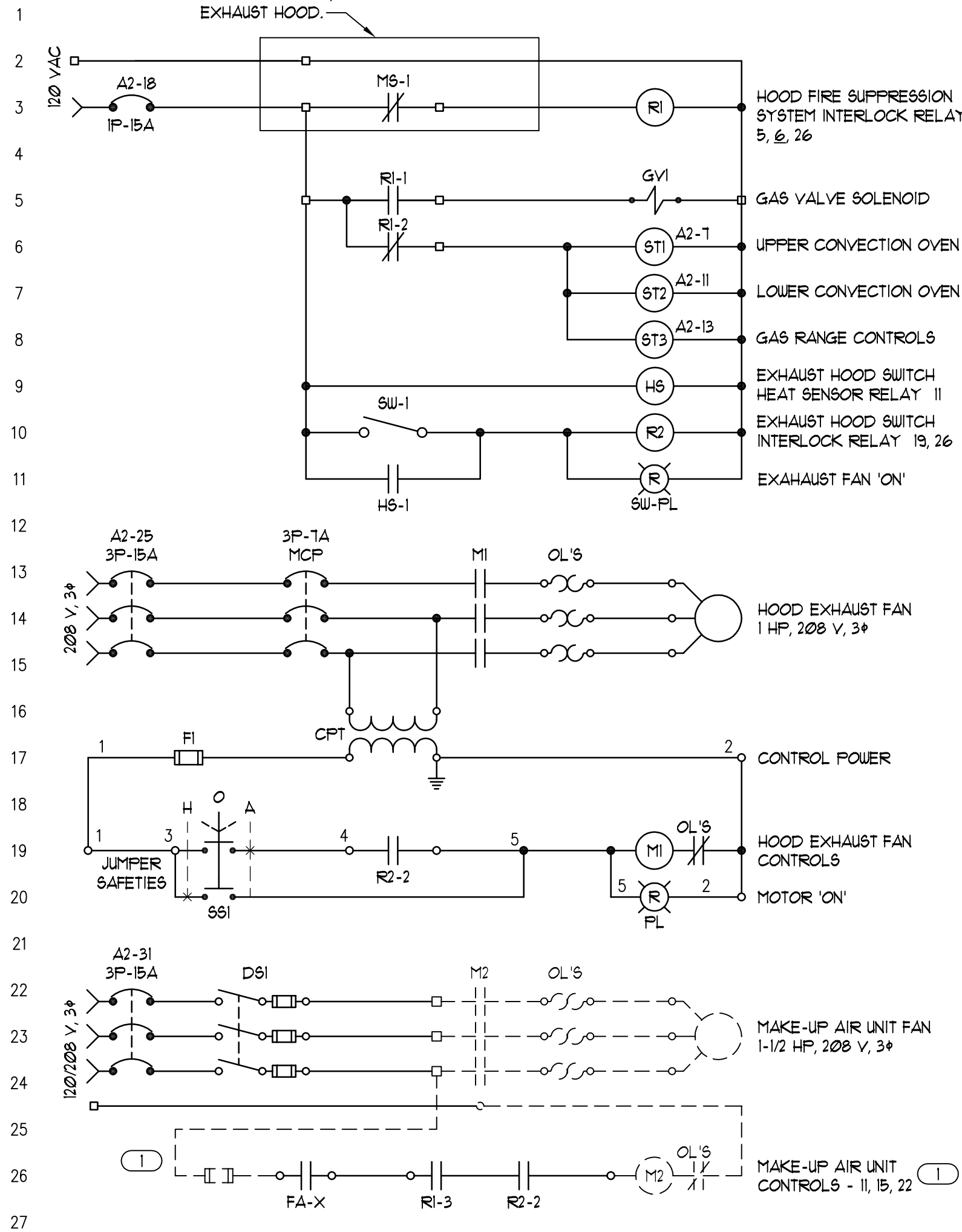
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EXHAUST HOOD CONTROL WIRING DIAGRAM

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EXHAUST HOOD CONTROL EQUIPMENT:

MS-1 NORMALLY CLOSED DRY CONTACT IN HOOD FIRE SUPPRESSION SYSTEM CONTROL PANEL FURNISHED WITH EXHAUST HOOD, TO BE WIRED COMPLETE BY ELECTRICAL CONTRACTOR

R1 POWER RELAY, ELECTRICALLY HELD WITH DPDT, 30 AMP, 300 VOLT CONTACTS AND 120 VAC COIL, SQUARE D CLASS 8501, TYPE C016V02 OR EQUAL. INSTALL IN 12" W x 12" H x 6" D, NEMA 1 ENCLOSURE WITH HINGED FRONT COVER, FLUSH LATCH AND EQUIPMENT MOUNTING PANEL, WIEGMAN N1C-12166 OR EQUAL.

GV1 ELECTRICALLY OPERATED GAS SOLENOID VALVE, FURNISHED BY PLUMBING CONTRACTOR, TO BE WIRED COMPLETE BY ELECTRICAL CONTRACTOR.

STX SHUNT TRIP CIRCUIT BREAKER COIL FOR ELECTRICALLY OPERATED EQUIPMENT UNDER EXHAUST HOOD. SEE PANEL SCHEDULES.

SW-1 MANUAL SWITCH FURNISHED WITH EXHAUST HOOD, TO BE WIRED COMPLETE BY CONTRACTOR.

H5 AUTOMATIC HEAT SENSOR FURNISHED WITH EXHAUST HOOD, TO BE WIRED COMPLETE BY CONTRACTOR. HEAT SENSOR TO BE ACTIVATED BY HEAT FROM COOKING APPLIANCES FOR AUTOMATIC OPERATION OF THE HOOD EXHAUST FAN.

SW-PL PILOT LIGHT FURNISHED WITH EXHAUST HOOD, TO BE WIRED COMPLETE BY CONTRACTOR.

M1 COMBINATION MAGNETIC MOTOR STARTER, NEMA SIZE 0 FVNR, WITH MCP DISCONNECT IN NEMA 1 CPT ENCLOSURE. SEE SPECIFICATION SECTION 16480. FURNISH COMPLETE WITH CONTROL.

S61 TRANSFORMER "CPT", HAND-OFF-AUTO SELECTOR SWITCH "S61", RED "RUN" PILOT LIGHT "PL1", 2 N.O. #2 N.C. AUXILIARY CONTACTS, AND THERMAL OVERLOAD RELAY.

D51 FUSED SAFETY SWITCH, 3 POLE, 30 AMPERE, NEMA 3R ENCLOSURE, IN ACCORDANCE WITH SPECIFICATION SECTION 16440.

M2 MAKE-UP AIR UNIT STARTER FURNISHED WITH MAKE-UP AIR UNIT. SEE MECHANICAL PLANS AND SPECIFICATIONS.

FA-X FIRE ALARM SYSTEM FIRE SAFETY FUNCTION CONTROL RELAY FOR MAKE-UP AIR UNIT FAN SHUT DOWN. SEE FIRE ALARM PLAN, SHEET FA01.

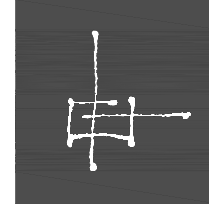
KEYED NOTES:

- MAKE-UP AIR UNIT WILL BE FURNISHED WITH FACTORY WIRED STARTER AND CONTROLS. SEE MECHANICAL PLANS AND SPECIFICATIONS. BASIC CONTROL (DASHED LINES) IS SHOWN FOR REFERENCE ONLY. SUBMIT COPY OF MAKE-UP AIR UNIT INSTALLATION WIRING DIAGRAM TO ENGINEER FOR RECOMMENDED MODIFICATIONS TO WIRING DIAGRAM IF NECESSARY.

GENERAL CONTROL NOTES:

- USE MINIMUM #14 STRANDED WIRE FOR ALL CONTROL CONDUCTORS. LABEL WIRE ACCORDING TO NUMBER ON CONTROL DIAGRAM. SEE SPEC. SECTION 16195.
- REFER TO ELECTRICAL PLANS FOR POWER WIRE SIZES.
- PROVIDE ENGRAVED NAMEPLATE FOR STARTER ENCLOSURES, "EXHAUST HOOD CONTROL CABINET", ETC., IN ACCORDANCE WITH SPECIFICATION SECTION 16195. PROVIDE SELF-ADHESIVE LABEL TO INCLUDE CIRCUIT NUMBERS OF ALL CONTROL AND POWER CIRCUITS.
- PROVIDE SELF-ADHESIVE LABELS TO IDENTIFY ALL CONTROL DEVICES ACCORDING TO WIRING DIAGRAM.
- PROVIDE DEVICES AS SPECIFIED OR EQUAL OF ACCEPTABLE MANUFACTURERS LISTED IN SPECIFICATION SECTION 16480.
- PROVIDE "AS-BUILT" COPY OF WIRING DIAGRAM IN THE ENCLOSURE OF EACH APPROPRIATE STARTER AND/OR CONTROL CABINET.

ARCHITECT PROJECT # 0310



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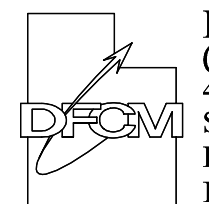
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Department of Administrative Services



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CAMP WILLIAMS
BUILDINGS
508 AND 510

SHEET NAME:

ELECTRICAL RISERS AND
WIRING DIAGRAMS

REVISIONS

MARK	DATE	DESCRIPTION
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SHEET OF

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A

SYMBOL LIST	
SYMBOL	DESCRIPTION
	NEW CEILING MOUNTED FIXTURE
	NEW WALL MOUNTED FIXTURE
	NEW FLUORESCENT FIXTURE
	NEW FLUORESCENT FIXTURE WITH EMERGENCY LIGHTING BATTERY PACK
	NEW EXIT LIGHT WITH ARROW INDICATING DIRECTION OF EXIT
	NEW EMERGENCY LIGHTING UNIT INDICATING NUMBER OF LAMP HEADS
	NEW REMOTE EMERGENCY LIGHT FIXTURE INDICATING NUMBER OF LAMP HEADS
	EXISTING CEILING MOUNTED FIXTURE
	EXISTING WALL MOUNTED FIXTURE
	EXISTING FLUORESCENT FIXTURE
	EXISTING RECESSED FIXTURE
	EXISTING EXIT LIGHT
	FIXTURE WITH LETTER INDICATING CONTROLLING SWITCH
	SWITCH WITH LETTER INDICATING CONTROLLED FIXTURES
	NEW SINGLE POLE SWITCH
	NEW THREE WAY SWITCH
	NEW OCCUPANCY SENSOR WALL SWITCH
	NEW AREA OCCUPANCY SENSOR
	NEW OCCUPANCY SENSOR SWITCHPACK
	NEW PHOTOCELL
	EXISTING SINGLE POLE SWITCH
	NEW JUNCTION BOX
	EXISTING JUNCTION BOX
	NEW DUPLEX RECEPTACLE
	NEW DOUBLE DUPLEX RECEPTACLE
	NEW OUTLET WITH GROUND FAULT CIRCUIT INTERRUPTER
	NEW SPECIAL PURPOSE RECEPTACLE INDICATING NEMA DESIGNATION
	EXISTING DUPLEX RECEPTACLE
	EXISTING DOUBLE DUPLEX RECEPTACLE
	NEW TELEPHONE/DATA OUTLET
	EXISTING TELEPHONE OUTLET
	NEW POWER PANELBOARD, 120/208 VOLT, 3 PHASE
	EXISTING POWER PANELBOARD, 120/240 VOLT, 1 PHASE
	NEW 3 PHASE, 4 WIRE HOMERUN INDICATING PANEL AND CIRCUIT NUMBERS
	NEW BRANCH CIRCUIT CONCEALED IN FLOOR, WALL, OR CEILING
	NEW BRANCH CIRCUIT EXPOSED ON WALL OR CEILING
	EXISTING BRANCH CIRCUIT
	NEW MOTOR
	NEW DISCONNECT SWITCH, 'F' INDICATES FUSED, 'NF' INDICATES NON-FUSED
	NEW MAGNETIC MOTOR STARTER OR CONTROL PANEL
	NEW STARTER OR CONTROL PANEL WITH INTEGRAL DISCONNECT
	NEW MANUAL MOTOR STARTING SWITCH W/ THERMAL OVERLOAD PROTECTION
	NEW EXISTING MOTOR
	EXISTING DISCONNECT SWITCH
	EXISTING EVAPORATIVE COOLER CONTROL SWITCH
	EXISTING THERMOSTAT
	MECHANICAL EQUIPMENT SCHEDULE SYMBOLS
	FIXTURE SCHEDULE SYMBOL
	KEYED NOTE SYMBOL
	DETAIL OR SECTION DESIGNATION BY SHEET COORDINATES
	SHEET ON WHICH DETAIL OR SECTION IS SHOWN
	INDICATES ITEM IN WEATHERPROOF (NEMA 3R MINIMUM) ENCLOSURE

MECHANICAL EQUIPMENT SCHEDULE												
EQUIP. NO.	DESCRIPTION	CIRCUIT NUMBER	VOLTS	PHASE	WATTS HP.	BREAKER	STARTERS FURNISH/INSTALL	SIZE	AUX. CONT.	LOCATION		
EF 1	CEILING EXHAUST FAN	A1-5	120	1	35 WATTS	1P-20A	E E	3/16	-	JANITOR 106		
EF 2	CEILING EXHAUST FAN	A1-5	120	1	30 WATTS	1P-20A	E E	3/16	-	WOMEN'S RESTROOM 107		
EF 3	CEILING EXHAUST FAN	A1-5	120	1	184 WATTS	1P-20A	E E	3/16	-	MEN'S RESTROOM 105		
EF 4	GREASE HOOD EXHAUST FAN	A2-25	208	3	1 HP	3P-15A	E E	Ø	2 N.O. 2 N.C.	ON ROOF KITCHEN 103		
F 1	FURNACE	A1-13	120	1	1/2 HP	1P-20A	E E	3/16	-	MECHANICAL 108		
F 2	FURNACE	A1-15	120	1	1 HP	1P-30A	E E	3/16	-	MECHANICAL 108		
F 3	FURNACE	A1-17	120	1	1 HP	1P-30A	E E	3/16	-	MECHANICAL 108		
CU 1	AIR COOLED CONDENSING UNIT	A1-19	208	3	11.4 FLA	3P-20A	M M	M	-	OUTSIDE		
CU 2	AIR COOLED CONDENSING UNIT	A1-25	208	3	40.8 AMPS	3P-60A	M M	M	-	OUTSIDE		
MA 1	MAKE-UP AIR UNIT	A2-31	208	3	1-1/2 HP	3P-15A	M M	M	-	OUTSIDE		
WH-1	GAS FIRED WATER HEATER (IGNITION CONTROLS)	A1-11	120	1	Ø7 AMP	1P-20A	M M	3	-	MECHANICAL 108		
WH-1	HOT WATER CIRCULATING PUMP	A1-11	120	1	1/6 HP	1P-20A	E E	3/16	-	MECHANICAL 108		

E = ELECTRICAL CONTRACTOR
M = MECHANICAL CONTRACTOR

FOOD SERVICE EQUIPMENT SCHEDULE												
EQUIP. NO.	DESCRIPTION	CIRCUIT NUMBER	VOLTS	PHASE	LOAD	BREAKER	DEVICE	MNTG HEIGHT	REMARKS	NOTES	ROOM NO.	
1	BOOSTER HEATER - DELETED										1	103
2	RANGE GRILLE	A2-15	120	1	3 AMP	1P-20A	Ø 5-20R	24"	FUTURE ELECTRONIC IGNITION	1	103	
4	HOT FOOD COUNTER	A2-26	208	1	5,000 W	2P-30A	Ø 6-30R	24"	PROVIDE 13 CORD 4 PLUG	1, 2	103	
5	COLD FOOD COUNTER	A2-10	120	1	VERIFY	1P-20A	Ø 5-20R	18"	FURNISHED W/CORD 4 PLUG	1	104	
7	DOUBLE CONVECTION OVEN	A2-17	120	1	9 FLA EA	1P-20A	Ø 5-20R	48"	FURNISHED W/CORD 4 PLUG	1	103	
8	3 DOOR REFRIGERATOR	A2-19	120	1	12 FLA	1P-20A	Ø 5-20R	48"	FURNISHED W/CORD 4 PLUG	1	102	
9	3 DOOR FREEZER	A2-21	120/208	1	10.5 FLA	2P-20A	Ø 14-20R	48"	FIELD VERIFY CONNECTION	1	102	
10	BREAD DISPENSER	A2-18	120	1	VERIFY	1P-20A	Ø 5-20R	18"	FURNISHED W/CORD 4 PLUG	1	104	
11	COFFEE POT (2)	A5-12,14	120	1	VERIFY	1P-20A	Ø 5-20R	18"	FURNISHED W/CORD 4 PLUG	1	104	
12	BEVERAGE DISPENSER	A5-16	120	1	2.5 FLA	1P-20A	Ø 5-20R	18"	FURNISHED W/CORD 4 PLUG	1	104	
14	DISPOSAL	A2-32	208	3	2 HP	3P-15A	Ø 6-30R		STARTER FURNISHED W/ EQUIP	1, 3	104	

FOOD SERVICE EQUIPMENT SCHEDULE NOTES:

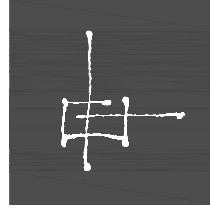
- VERIFY ELECTRICAL LOAD, VOLTAGE, CONNECTION REQUIREMENTS AND LOCATION OF ALL FOOD SERVICE EQUIPMENT WITH EQUIPMENT SUPPLIER AND/OR UTAH NATIONAL GUARD PRIOR TO ROUGHING IN RACEWAY SYSTEM FOR THE EQUIPMENT.
- MAKE CONNECTION TO PORTABLE EQUIPMENT WITH HARD USAGE TYPE '50' CORD AND PLUG TO MATE WITH RECEPTACLE.
- MAKE CONNECTIONS TO HARD-WIRED EQUIPMENT WITH LIQUID-TIGHT FLEXIBLE STEEL CONDUIT ARRANGED TO BE MINIMUM 12" ABOVE FLOOR.
- SEQUENTIAL FOOD SERVICE EQUIPMENT NUMBERS NOT INCLUDED IN ABOVE SCHEDULE DO NOT REQUIRE ELECTRIC POWER. SEE ARCHITECT'S FOOD SERVICE PLAN AND SCHEDULE, SHEET F510, FOR ADDITIONAL INFORMATION.

DOUBLE PANEL - SECTION I												
PANEL 'A1' TYPE 'NODD', BOLT-ON 3 POLE 225 AMP MAIN LUGS			10,000 A.I.C. FULLY RATED 120/208 VOLT, 3 PHASE, 4 WIRE SURFACE MOUNTED									
CIR. NO.	BRKR P. AMPS	DESCRIPTION	NO. LTS	NO. REC	CIRCUIT LOAD	PHASE A	PHASE B	PHASE C	CIRCUIT LOAD	NO. LTS	NO. REC	DESCRIPTION
1	15	LTS. DINING	24	1,440	1,940				500	16	1	HOOD LIGHTS
3	15	LTS. DINING	26	860		2,000			1,140	7	1	LTS. KITCHEN & STORAGE
5	15	LTS. HALL, RESTRMS, JAN	11	870			1,490		620	2	1	OUTSIDE LIGHTS
7	15	SPARE			900				900	5	1	REC. DINING AREA
9	15	SPARE				360			360	2	1	REC. JANITOR & MECH
11	15	WATER HTR & CIRC PUMP		610			790		180	1	1	REC. WOMEN'S
13	15	FURNACE F/1, MECH RM		1,125	1,485				360	2	1	REC. TELEPHONE RM
15	15	FURNACE F/2, MECH RM		1,840		2,020			180	1	1	REC. TELEPHONE RM
17	15	FURNACE F/3, MECH RM		1,840			2,200		360	2	1	REC. MEN'S
19	15	COND. UNIT CU/1, OUTSIDE		1,370	1,550				180	1	1	REC. OUTSIDE AT CU's
21	15	COND. UNIT CU/2, OUTSIDE		1,370		1,370						SPARE
23	15	COND. UNIT CU/2, OUTSIDE		1,370			1,870		500			FIRE ALARM PANEL
25	15	COND. UNIT CU/2, OUTSIDE		4,895	4,895							SPARE
27	15	COND. UNIT CU/2, OUTSIDE		4,895		4,895						SPARE
29	15	COND. UNIT CU/2, OUTSIDE		4,895			4,895				1 20	30
31	15	SPACE			0						1	32
33	15	SPACE				0		0				34
35	15	SPACE					0					36
37	15	SPACE			0			0				38
39	15	SPACE					0				1	40
41	15	SPACE						0			1	42
TOTAL CONNECTED LOAD:						32,660 VA	91 AMPS	FEEDER: 4 #3/0, 1 #4 GND, 2" C				
CALCULATED FEEDER DEMAND, NEC 220:						37,814 VA	105 AMPS					

FIXTURE SCHEDULE				
SYMBOL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP
F-1	COLUMBIA DAY-BRITE LIGHTOLIER LITHONIA METALUX WILLIAMS	4PS24-332G-FSA12.125-EBBLH-120 2SPG332-FS21-120-1/21-EB10 SPS2GFSV1332-120-H1 2SP8G332-A12125-120GEB10 2GC332-A125-120TEB82 SUG-S24-332-SA12125-EBLH2/1-120	2' x 4', 3 LAMP, LAY-IN FLUORESCENT FIXTURE WITH FLAT STEEL DOOR, 0.125" THICK ACRYLIC PRISMATIC LENS AND ONE 1 LAMP AND ONE 2 LAMP, 120 VOLT, <10% THD ELECTRONIC BALLASTS WIRE FOR INBOARD/OUTBOARD LAMP OPERATION.	3F32T8/TL835
F-2	COLUMBIA DAY-BRITE LIGHTOLIER LITHONIA METALUX WILLIAMS	4PS24-332G-FSDR12-EBBLH-120 2SPG332-FSACT.140-120-1/21-EB10 SPS2GFSV1332-120-H1 2SP8G332-A12125-120GEB10 2GC332-ACT.1401NW-120TEB82 SUGS24-332-SA11401NW-EBLH2/1-120	SAME AS F-1 EXCEPT WITH KSH 'ACRI-TUF', OR EQUAL, 0.140" THICK, PATTERN 12, HIGH IMPACT ACRYLIC LENS WITH PRISMS INVERTED TO INSIDE OF FIXTURE.	3F32T8/TL835
F-3	COLUMBIA DAY-BRITE LIGHTOLIER LITHONIA METALUX WILLIAMS	4PS24-232G-FSA12.125-EBBLH-120 2SPG232-FS21-120-1/2-EB10 SPS2GFSV1232-120-H1 2SP8G232-A12125-120GEB10 2GC232-A125-120TEB81 SUG-S24-232-SA12125-EBLH2-120	2' x 4', 2 LAMP, LAY-IN FLUORESCENT FIXTURE WITH FLAT STEEL DOOR, 0.125" THICK ACRYLIC PRISMATIC LENS AND ONE 2 LAMP, 120 VOLT, <10% THD ELECTRONIC BALLAST.	2F32T8/TL835
F-4	COLUMBIA DAY-BRITE LIGHTOLIER LITHONIA METALUX MIDWEST	WAL4-1U1D32-EBBLH-120-LUB CB232-120-1/2-EB10 LWBX232-120-S010XTHD WP-232-120-GEB10 BTU-232-120-TEB81 WB-232-SSD-10X-120	4 FT, 2 LAMP WALL MOUNTED FLUORESCENT FIXTURE WITH INJECTION MOLDED ACRYLIC PRISMATIC LENS, UP & DOWNLIGHT, WHITE FINISH AND ONE 2 LAMP, 120 VOLT, <10% THD ELECTRONIC BALLAST.	2F32T8/TL835
F-5	COLUMBIA DAY-BRITE LIGHTOLIER LITHONIA METALUX MIDWEST	WCW4-332-3EBBLH-120 CAW332-120-1/3-EB10/CR-2W WB340-120-D310XTHD-DSM LB332-1/3-120GEB10 WS332A-120-TEB81 PR-332-SSD-10X-120	4 FT, 3 LAMP SURFACE MOUNTED 'WRAPAROUND' FLUORESCENT FIXTURE WITH ACRYLIC PRISMATIC LENS AND ONE 3 LAMP, 120 VOLT, <10% THD ELECTRONIC BALLAST	3F32T8/TL835
F-6	GARDCO KIRLIN	300-D-W-L-70MH-120-BRP SR40919-37-43/70MH-89-WB/3'	WALL MOUNTED METAL HALIDE DOWNLIGHT WITH ALUMINUM HOUSING, TEMPERED PRISMATIC GLASS LENS, DARK BRONZE FINISH, AND 120 VOLT HIGH POWER FACTOR BALLAST. MAXIMUM 9" DIAMETER x 14" HIGH CYLINDER, AND MAXIMUM 13" OVERALL EXTENSION FROM WALL. UL LISTED FOR OUTDOOR WET LOCATION.	
F-7	CHLORIDE LIGHTGUARD LITHONIA MCPHILBEN PRESCOLITE SURE-LITES	CX-L-N-1-G-W DX-L-N-1-G-W LE-S-W-1-G-120/277-ELN ER30VL-1-W-G XD1GEN-WH CAX-717000-G-W	UNIVERSAL MOUNTED, SINGLE FACE, LIGHT EMITTING DIODE (LED) EXIT LIGHT WITH CAST ALUMINUM HOUSING, WHITE FINISH, GREEN LETTERS ON STENCIL FACE, NICKEL CADMIUM BATTERY PACK WITH CHARGER & TEST SWITCH.	FURNISHED W/ FIXTURE
F-7A	CHLORIDE LIGHTGUARD LITHONIA MCPHILBEN PRESCOLITE SURE-LITES	CX-L-N-2-G-W DX-L-N-2-G-W LE-S-W-2-G-120/277-ELN ER30VL-2-W-G XD2GEN-WH CAX-727000-G-W	UNIVERSAL MOUNTED, DOUBLE FACE, LIGHT EMITTING DIODE (LED) EXIT LIGHT WITH CAST ALUMINUM HOUSING, WHITE FINISH, GREEN LETTERS ON STENCIL FACE, NICKEL CADMIUM BATTERY PACK WITH CHARGER & TEST SWITCH.	FURNISHED W/ FIXTURE
F-8	LIGHTGUARD	V12-100-W-DTDD	WALL MOUNTED EMERGENCY LIGHTING UNIT WITHOUT LAMP HEADS FOR REMOTE FEED, STEEL HOUSING, MINIMUM 75 WATT 12 VOLT LEAD CALCIUM BATTERY, CHARGER, 120/277 VOLT INPUT, SELF-DIAGNOSTIC CIRCUITRY WITH INDICATORS AND TEST SWITCH, AND 15 MINUTE HID TIME DELAY.	NOT REQ'D
F-9	LIGHTGUARD	U-H1212-G	WALL MOUNTED REMOTE EMERGENCY LIGHT FIXTURE WITH 12 WATT 12 VOLT HALOGEN LAMP, GASKETED POLYCARBONATE DIFFUSER, AND WHITE FINISH. UL LISTED OUTDOOR WET LOCATION.	FURNISHED W/ FIXTURE

NOTES
* SHUNT TRIP CIRCUIT BREAKER WITH 120 VAC COIL. INTERLOCK WITH HOOD FIRE SUPPRESSION SYSTEM.
SEE EXHAUST HOOD CONTROL WIRING DIAGRAM, SHEET E-601.

ARCHITECT PROJECT # 0310



ajc architects

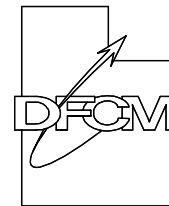
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CAMP WILLIAMS
BUILDINGS
508 AND 510

SHEET NAME:

ELECTRICAL SCHEDULES
AND SYMBOL LIST

REVISIONS

MARK DATE DESCRIPTION

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SHEET OF

FIRE ALARM KEYED NOTES:
FOR SHEET FA101 ONLY

1. PROVIDE SURFACE MOUNT OUTLET BOX FOR NEW DEVICE INDICATED. INSTALL NEW CONDUIT EXPOSED FROM OUTLET BOX VERTICALLY TO ABOVE NEW CEILING, OR OTHERWISE ROUTED TO MINIMIZE AMOUNT OF EXPOSED CONDUIT. PAINT OUTLET BOX, AND CONDUIT TO MATCH WALL.
2. CONNECT TO EXTERIOR WALL MOUNTED HORN/STROBES WITH CONDUIT THROUGH WALL, ABOVE NEW INTERIOR CEILING, INTO BACK OF SURFACE MOUNTED WEATHERPROOF BACKBOX.
3. PROVIDE ADDRESSABLE MONITOR MODULES FOR NEW FIRE SFRINKLER FLOW SWITCHES AND SUPERVISORY SWITCHES. FIELD VERIFY LOCATIONS AND QUANTITY WITH FIRE SFRINKLER SYSTEM CONTRACTOR.
4. PROVIDE ADDRESSABLE CONTROL MODULE AND FIRE SAFETY FUNCTION CONTROL RELAYS FOR FAN SHUT DOWN OF FURNACES F/1 AND F/2, AND MAKE-UP AIR UNIT MA/1.
5. PROVIDE COMPLETE AREA SMOKE DETECTION SYSTEM FOR ALL AREAS SERVED BY FURNACE F/2, AND MAKE-UP AIR UNIT MA/1 IN LIEU OF INSTALLING DUCT DETECTORS ON THE RETURN AIR AND/OR SUPPLY AIR DUCTS AS ALLOWED BY INTERNATIONAL MECHANICAL CODE SECTION 606.2.1, EXCEPTION.
6. PROVIDE ADDRESSABLE MONITOR MODULES TO SUPERVISE EXHAUST HOOD FIRE EXTINGUISHING SYSTEM FOR ALARMS AND TROUBLES. LOCATE MODULES WITHIN 3 FEET OF THE FIRE EXTINGUISHING SYSTEM CONTROL PANEL AND CONNECT CLASS 'B', STYLE 'B', INITIATING DEVICE CIRCUITS TO NORMALLY OPEN CONTACTS IN THE CONTROL PANEL. VERIFY REQUIREMENTS WITH THE FIRE EXTINGUISHING SYSTEM INSTALLER.
7. DACT (TELEPHONE DIALER) MAY BE LOCATED ON TELEPHONE TERMINAL BOARD OR FURNISHED INTEGRAL WITH THE FIRE ALARM CONTROL PANEL. UTAH NATIONAL GUARD TO PROVIDE 2 DEDICATED TELEPHONE LINES FROM THE DACT TO THE GUARD STATION LOCATED AT THE MAIN ENTRANCE TO CAMP WILLIAMS. COORDINATE OFF-SITE COMMUNICATION WITH THE UTAH NATIONAL GUARD AND THE FIRE ALARM SYSTEM INSTALLER.

FIRE ALARM WIRE LEGEND

SYMBOL	DESCRIPTION	WIRE AND CONDUIT SIZE	NOTES
A	SIGNALING LINE CIRCUIT (SLC)	2C #6 THW/SH, 1/2" C	1, 2
B	INITIATING DEVICE CIRCUIT (IDC)	2 #4 THHN, 1/2" C	1, 2
C	NOTIFICATION APPLIANCE CIRCUIT (NAC)	2 #4 THHN, 1/2" C	1, 2
D	24 VDC FIRE SAFETY FUNCTION RELAY CIRCUIT	2 #4 THHN, 1/2" C	1, 2

NOTES:

1. MINIMUM CONDUIT SIZE INDICATED. PROVIDE LARGER CONDUIT WHERE INDICATED OR WHERE REQUIRED FOR MAXIMUM 40% CONDUIT FILL.
2. MINIMUM WIRE SIZE INDICATED. PROVIDE LARGER SIZES WHERE REQUIRED FOR VOLTAGE DROP CONDITIONS, ETC, BASED ON CIRCUIT LOADING OF INSTALLED EQUIPMENT AND/OR AS REQUIRED BY THE FIRE ALARM SYSTEM MANUFACTURER'S REPRESENTATIVE.

FIRE ALARM DEVICE LEGEND

SYMBOL	DESCRIPTION	HEIGHT	NOTES
	FIRE ALARM CONTROL PANEL	72" TOP	
	DIGITAL ALARM COMMUNICATION TRANSMITTER	60"±	1
	ADDRESSABLE MANUAL PULL STATION	46" ±	2
	ADDRESSABLE HEAT DETECTOR, 135° FIXED, WITH RATE OF RISE	CEILING	
	ADDRESSABLE SMOKE DETECTOR, PHOTOELECTRIC	CEILING	
	ADDRESSABLE MONITOR MODULE	AS REQ'D	3
	ADDRESSABLE CONTROL MODULE	AS REQ'D	3
	FIRE SAFETY FUNCTION POWER CONTROL RELAY	AS REQ'D	3
	FIRE SFRINKLER SYSTEM FLOW SWITCH		4
	FIRE SFRINKLER SYSTEM SUPERVISORY SWITCH		4
	FIRE SUPPRESSION SYSTEM CONTROL PANEL (SEE PLANS FOR TYPE)		4
	STROBE, INDICATING MINIMUM EFFECTIVE CANDLE POWER (ECP)	84" ±	5, 6
	COMBINATION HORN/STROBE INDICATING MINIMUM STROBE ECP	84" ±	5, 6

LEGEND NOTES:

1. DIGITAL ALARM COMMUNICATION TRANSMITTER SHALL BE PROGRAMMED TO TRANSMIT ALARM, TROUBLE, AND SUPERVISORY SIGNAL BY TELEPHONE TO THE CAMP WILLIAMS MAIN ENTRANCE GUARD STATION. VERIFY REQUIREMENTS WITH UTAH NATIONAL GUARD.
2. MOUNTING HEIGHT TO OPERATING HANDLE OF PULL STATIONS MAY BE DECREASED TO NOT LESS THAN 42", OR INCREASED TO NOT MORE THAN 56" ABOVE FINISHED FLOOR LEVEL WITH WRITTEN APPROVAL OF THE ARCHITECT AND AHJ.
3. INSTALL ADDRESSABLE MODULES, AND CONTROL RELAYS IN LOCATIONS ACCESSIBLE FROM FLOOR LEVEL WHERE POSSIBLE.
4. CONNECT TO DRY CONTACTS OF SWITCH OR CONTROL PANEL FOR FIRE SUPPRESSION SYSTEMS PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATION. COORDINATE REQUIREMENTS WITH FIRE SUPPRESSION SYSTEM INSTALLER.
5. PROVIDE NOTIFICATION APPLIANCES IN ACCORDANCE WITH NFPA 72, UL 1971, ANSI 93.41 & ANSI 117.1.
6. MOUNTING HEIGHT OF STROBES MAY BE DECREASED TO NOT LESS THAN 80" TO BOTTOM OF STROBE, OR INCREASED TO NOT MORE THAN 36" TO TOP OF STROBE, ABOVE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR SHALL BE INSTALLED 6" BELOW CEILING TO TOP OF STROBE, WHICHEVER IS LOWER, WITH WRITTEN APPROVAL OF THE ARCHITECT AND AHJ.

GENERAL NOTES:
FOR SHEET FA101 ONLY

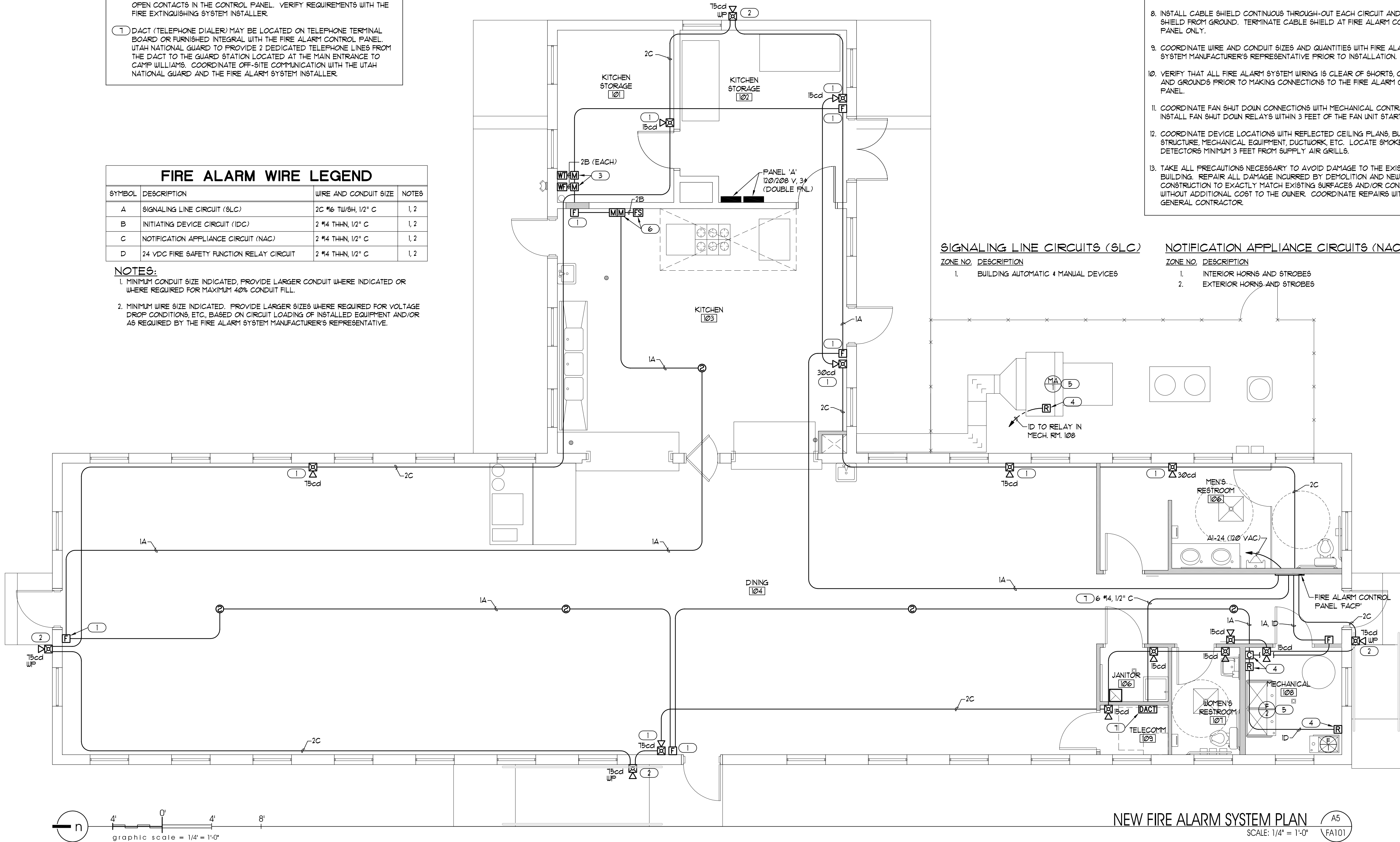
1. THE FIRE ALARM SYSTEM DRAWINGS INCLUDED WITH THE CONTRACT DOCUMENTS ARE INTENDED ONLY TO INDICATE MINIMUM SYSTEM REQUIREMENTS. INSTALL THE FIRE ALARM SYSTEM ACCORDING TO SUBMITTAL DRAWINGS WHICH HAVE BEEN REVIEWED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
2. INSTALL FIRE ALARM SYSTEM IN STRICT COMPLIANCE WITH APPLICABLE SECTIONS OF THE NATIONAL ELECTRICAL CODE (NEC ARTICLE 760), NATIONAL FIRE ALARM CODE, NFPA 72-2002, INTERNATIONAL FIRE CODE, INTERNATIONAL BUILDING CODE, OTHER APPLICABLE NFPA STANDARDS, REGULATIONS OF LOCAL AUTHORITY HAVING JURISDICTION (AHJ) AND THE CONTRACT DOCUMENTS.
3. FIRE ALARM SYSTEM INSTALLATION SHALL BE APPROVED BY THE LOCAL AHJ WHO IS THE UTAH STATE FIRE MARSHAL.
4. FIRE ALARM INITIATING DEVICE CIRCUITS (IDC) SHALL BE CLASS 'A', STYLE 'D' IN ACCORDANCE WITH NFPA 72.
5. FIRE ALARM SIGNALING LINE CIRCUITS (SLC) SHALL BE CLASS 'A', STYLE '6' IN ACCORDANCE WITH NFPA 72.
6. FIRE ALARM NOTIFICATION APPLIANCE CIRCUITS (NAC) SHALL BE CLASS 'A', STYLE 'Z' IN ACCORDANCE WITH NFPA 72.
7. PROVIDE AN EARTH GROUND TO THE FIRE ALARM CONTROL PANEL FOR GROUND FAULT DETECTION AND LIGHTNING PROTECTION OF THE DEVICES.
8. INSTALL CABLE SHIELD CONTINUOUS THROUGH-OUT EACH CIRCUIT AND ISOLATE SHIELD FROM GROUND. TERMINATE CABLE SHIELD AT FIRE ALARM CONTROL PANEL ONLY.
9. COORDINATE WIRE AND CONDUIT SIZES AND QUANTITIES WITH FIRE ALARM SYSTEM MANUFACTURER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. VERIFY THAT ALL FIRE ALARM SYSTEM WIRING IS CLEAR OF SHORTS, OPENS AND GROUNDS PRIOR TO MAKING CONNECTIONS TO THE FIRE ALARM CONTROL PANEL.
11. COORDINATE FAN SHUT DOWN CONNECTIONS WITH MECHANICAL CONTRACTOR. INSTALL FAN SHUT DOWN RELAYS WITHIN 3 FEET OF THE FAN UNIT STARTER.
12. COORDINATE DEVICE LOCATIONS WITH REFLECTED CEILING PLANS, BUILDING STRUCTURE, MECHANICAL EQUIPMENT, DUCTWORK, ETC. LOCATE SMOKE DETECTORS MINIMUM 3 FEET FROM SUPPLY AIR GRILLS.
13. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH EXISTING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

SIGNALING LINE CIRCUITS (SLC)

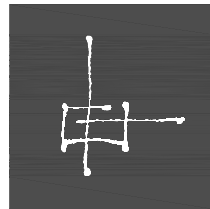
- | ZONE NO. | DESCRIPTION |
|----------|-------------------------------------|
| 1. | BUILDING AUTOMATIC & MANUAL DEVICES |

NOTIFICATION APPLIANCE CIRCUITS (NAC)

- | ZONE NO. | DESCRIPTION |
|----------|----------------------------|
| 1. | INTERIOR HORNS AND STROBES |
| 2. | EXTERIOR HORNS AND STROBES |



ARCHITECT PROJECT # 0310



ajc architects

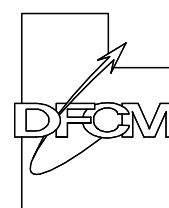
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Department of Administrative Services



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**CAMP WILLIAMS
BUILDINGS
508 AND 510**

SHEET NAME:

**NEW FIRE ALARM
SYSTEM PLAN**

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATA

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